

W & A M / 8th.

19 JUN 1953



# The CHEMIST AND DRUGGIST

For Retailer, Wholesaler and Manufacturer

JUNE 20 1953

## A MIXED ANTIBIOTIC PREPARATION WITH SPECIAL APPLICATIONS

### 'DISTAVONE'

**PROCAINE PENICILLIN G**  
**POTASSIUM PENICILLIN G**  
**DIHYDROSTREPTOMYCIN SULPHATE**

Not infrequently, cases of advanced infection or of mixed infection require immediate treatment and to await proper bacteriological examination may be quite impracticable or inadvisable.

In such cases, and also in prophylaxis in certain operative procedures, it is often the practice to administer separate injections of penicillin and dihydrostreptomycin. Moreover, where the causative organisms, because they are deep-seated, cannot be readily identified, a mixture of these two antibiotics is often used.

For convenience in such circumstances, 'Distavone', consisting of a balanced mixture of penicillin and dihydrostreptomycin in a highly purified form, has been made available.



Distributed by:

ALLEN & HANBURYS LTD.  
BRITISH DRUG HOUSES LTD.  
BURROUGHS WELLCOME & CO.  
EVANS MEDICAL SUPPLIES LTD.  
PHARMACEUTICAL SPECIALITIES  
(MAY & BAKER) LTD.

*Each single-dose injection-type vial contains 300,000 units procaine penicillin G, 100,000 units potassium penicillin G and 500,000 units (equivalent to 0.5 gramme pure base) dihydrostreptomycin sulphate. Boxes of 5 vials.*

'DISTAVONE' trademark, is the property of the manufacturers

**THE DISTILLERS COMPANY (BIOCHEMICALS) LTD.**  
**SPEKE**  
**LIVERPOOL**

**Stafford Allen**

Founded 1833

# MEDICINAL RESINS

SCAMMONY  
JALAPÆ  
PODOPHYLLI  
(Peltatum & Emodi)

---

# OLEO-RESINS

GINGER  
CAPSICUM  
PEPPER



*We invite your enquiries*

STAFFORD ALLEN & SONS LTD., WHARF ROAD, LONDON, N.I. CLerkenwell 1000 (7 lines)

TAS/AL 452





# VERILOID

## Preparations for the treatment of *HYPERTENSION*

In view of its steadily increasing favour among the Medical Profession as a means of reducing or controlling Hypertension, Pharmacists may like to note that Veriloid is now being prescribed in four forms.

They are as follows :—

### VERILOID TABLETS

Pt. I. Sch. I.	1 mg.	Bottles of 100 tablets	...	...	24/-
poison		Bottles of 500 tablets	...	...	108/-
	2 mg.	Bottles of 100 tablets	...	...	45/-
		Bottles of 500 tablets	...	...	204/-

### VERILOID-VP TABLETS (Veriloid with Phenobarbitone)

Pt. I. Sch. IV.	Each tablet contains Veriloid 2 mg. with				
poison	Phenobarbitone B.P., 15 mg.				
		Bottles of 100 tablets	...	...	48/-
		Bottles of 500 tablets	...	...	216/-

### VERILOID INTRAVENOUS SOLUTION

Pt. I.	containing 0.4 mg. Veriloid per c.c. in				
poison	0.25% acetic acid.				
	Ampoules of 5 c.c.	Boxes of 6	...		30/-

### VERILOID INTRAMUSCULAR SOLUTION

Pt. I.	containing 1 mg. Veriloid per c.c. with				
poison	Procaine Hydrochloride 1% w/v.				
	Ampoules of 2 c.c.	Boxes of 6	...		26/-

Tablets of Veriloid are coloured for identification as follows :—  
1 mg., white ; 2 mg., yellow ; VP, green.

All prices are less 33-1/3% to the retail Pharmacist. Veriloid may be prescribed on Form E.C.10 and is available from your wholesale chemist.

VERILOID is a Trade Mark of Riker Laboratories Limited, applied to a biologically-assayed fraction of the amorphous alkaloids of *Veratrum viride*.

★ Trade Mark of

**RIKER LABORATORIES LTD.**

29 KIRKEWHITE STREET, NOTTINGHAM.

Tel: NOTTINGHAM 85228

# ***Dent-Odol*** **does it better**

**T**HAT is the claim we are putting before some six million newspaper readers a month. Not a very sensational claim? Well, denture cleaning is not, to denture wearers, a very exciting subject. Just a daily job that has to be done. A job that plenty of cleaning agents do passably well; but one that plenty of people with dentures would like done better.

Laboratory log books, honestly interpreted, seldom provide sensational matter for advertising. They do, however, provide facts—ascertained, checked and cross-checked facts.

And such facts, simply and straightforwardly explained, provide the present Dent-Odol advertising campaign.

We know we have a fine product in Dent-Odol. We think some measure of our convictions will filter through to the people who read our advertising. You, who are likely to be increasingly asked your opinion of Dent-Odol, can recommend it with confidence. Dent-Odol, in use, lives up to its advertisements.



CRANBUX LIMITED NORWICH

**Makers of Odol Oral Hygiene Products**



## **SHOW THIS!**

—and keep winning  
regular customers  
from

## **BIG *dip* ADVERTISING**

The British Permanent Starch Co., Ltd. · 87 Regent Street, London, W.1





Crookes B-Complex is now available in the form of an *ELIXIR* as well as the well-known tablets. The elixir has been provided primarily for use in paediatric practice, and with this in view vitamin B<sub>12</sub> has been added for its tonic and growth-promoting properties ; it is, however, equally suitable for administration to adults.

*Each teaspoonful of the elixir contains :—*

Aneurin	...	...	...	0.5 mg.
Riboflavin	...	...	...	0.625 mg.
Nicotinamide	...	...	...	5.0 mg.
Dried liver extract	...	...	...	62 mg.
Vitamin B <sub>12</sub>	...	...	...	0.5 µg.

*Each tablet contains :—*

Aneurin	...	...	...	1.0 mg.
Riboflavin	...	...	...	1.25 mg.
Nicotinamide	...	...	...	10.0 mg.
Yeast powder	...	...	...	227.0 mg.

**CROOKES**

**B-COMPLEX**

PACKING—*Elixir* 4, 8 and 80 oz. *Tablets* 25, 100, 500 and 1,000.

THE CROOKES LABORATORIES LIMITED · PARK ROYAL · LONDON N.W.10



**KARRIKUSH — AIR CUSHION & CARRIER BAG**  
(Regd.) (PATENTS PENDING)

SIMPLY BLOW UP FOR USE AS A CUSHION  
FOR BEACH, SPORTS AND ALL OUTDOOR USE.

AS A CARRIER BAG WILL CARRY 10 LBS.

Assorted Colours: — BLUE, GREEN, WINE, BLACK and RED.

*H. A. Bradbury & Co., Ltd.*

Dominion House, Bartholomew Close, London, E.C.1  
TELEPHONE: MONARCH 2278 "HAB" SERIES

**Price Reduction!** as from  
**JUNE 15th**

**ESōBAN De Luxe**  
**CREAM OF CALAMINE**

Large Size now • 2/11

Handy Pack now • 1/6  
(inc. Purchase Tax)

- ★ A skin preparation of superb quality
- ★ Soothes all irritant skin conditions
- ★ Ideal for Sunburn, Napkin Rash, etc.

33 $\frac{1}{3}$ % discount + BONUS 13 to the dozen  
(3 dozen orders either size)

**AND**

5% on £5 and 10% on £10  
direct orders offered in re-  
turn for 14-day counter  
and window display.

★ Attractive display  
material on request.



**SOUTHON LABORATORIES LTD**  
88 Upper Richmond Road, London, S.W.15

# DISPLAY COMPETITION

for a representative show of pharmaceutical products packed in collapsible tubes

First Prize £50

Second Prize £25

Third Prize £10

and ten supplementary prizes of £2 each



The Collapsible Tube Manufacturers' Association invite chemists (or members of their staffs) to bring to public notice the numerous and varied uses of the flexible cylindrical containers, known as collapsible tubes, by presenting in their windows a representative collection of proprietary tube-packed products. With that objective a display competition has been organised, in connection with which the above-mentioned prizes will be awarded. The display need not exclude other kinds of merchandise, but must include twelve different proprietary lines of tube-packed products in addition to any tubes of dentifrice and shaving-cream that may be shown. The focal point of the display must be a showcard (supplied on request) which concentrates public attention upon this pack, and emphasises its advantages.

Write for this showcard (8 in. by 12 in.) and for objects and rules of competition, to:—

The Secretary:

**COLLAPSIBLE TUBE MANUFACTURERS' ASSOCIATION**  
47 WELBECK STREET · LONDON · W.1



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## Sell an ILFORD Film

### BLACK AND WHITE

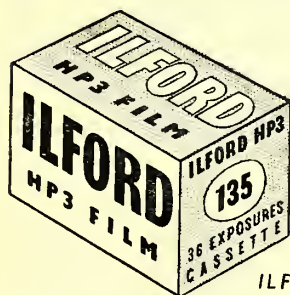
- ★ ILFORD HP 3 — The high-speed film
- ★ ILFORD FP 3 — The fine-grain film
- ★ ILFORD Selochrome — The outdoor film
- ★ ILFORD Pan F — The grainless 35 mm. film

### COLOUR

- ★ ILFORD 35 mm. Colour Film D — The natural colour film

## ILFORD Films

*for Every Occasion*



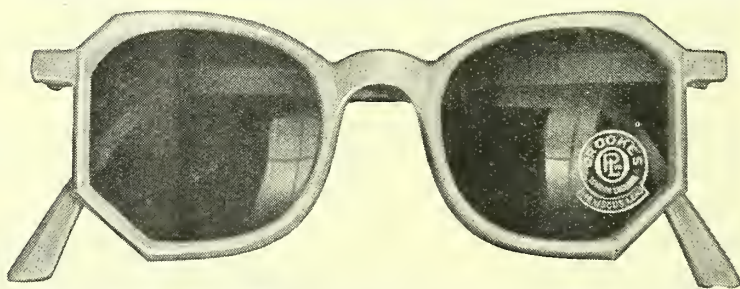
ILFORD LIMITED . ILFORD . LONDON

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**BUYING****SUNGLASSES? BUY  
BRITISH****SUNRA GLASS 'MARK II'****A MOST EXCLUSIVE SUNGLASS****A broken lens? Why worry.**

**SUNRA GLASS** models have the patented replaceable lens feature. Standard size spare Crookes lenses are supplied, to be easily fitted through the slotted upper rims. Clear-Vista sodium oxide yellow lenses are also available to convert the sunglass to a night-driving spectacle. Other model sunglasses to retail from 9d. to 12/6 Carded models at popular prices.

**RETAILS AT 3/6 INDIVIDUALLY BOXED****OPTICAL PRODUCTS LTD**370-372 STATION ROAD FOREST GATE  
LONDON · E-7**ORDER FROM YOUR USUAL WHOLESALER****MADE IN GREAT BRITAIN****You can rely on "SUNRABAN" products**



*A new oral  
prophylactic tablet  
in the treatment  
of pre-cordial  
pain of  
angina pectoris*



# Peritrate

TRADE MARK

*brand of Pentaerythritol Tetranitrate*

Peritrate is a preparation of Chilcott Laboratories Ltd.  
and is available in limited quantities. Supplies can be obtained  
immediately from William R. Warner & Co. Ltd., Power  
Road, London, W.4, or from your usual wholesaler.  
Peritrate (Pentaerythritol Tetranitrate) in bottles  
of 50 tablets 15/3 each inclusive of purchase tax,  
list price 105/- per dozen exclusive of purchase tax; it is also  
available to chemists in bottles of 500 tablets, 70/- each  
exclusive of purchase tax.

-----▶ **CHILCOTT** *Laboratories Ltd*

*Sole Distributors : William R. Warner & Co. Ltd., Power Road, London, W.4*

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Regd. Trade Mark

# PILLS & TABLETS

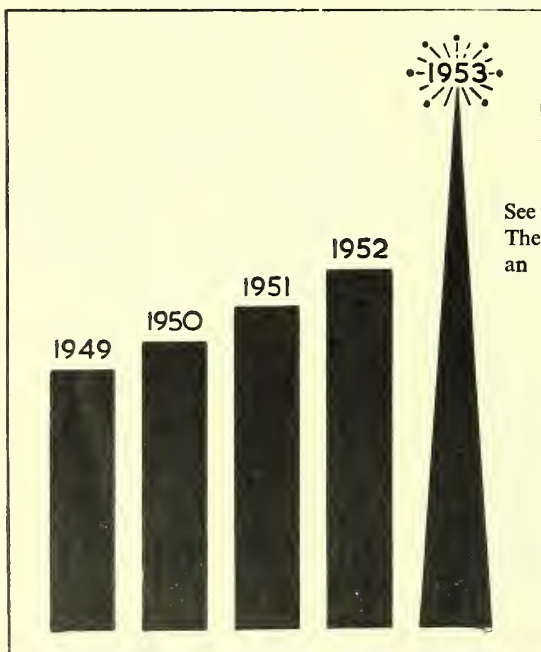
Manufactured in any quantity to  
standard or private specifications

If you contemplate the production of  
private formulæ, an extensive knowledge  
in this field and experienced personal  
services will be made available by the  
COX Organisation.

other manufactures include

OINTMENTS  
CREAMS  
PASTES  
PASTILLES  
CAPSULES  
SOLVELLÆ  
SUPPOSITORIES  
"OWN NAME" LINES

ARTHUR H. COX & CO. LTD., BRIGHTON, 7, SUSSEX



Higher and higher go the sales  
of 'Vaseline' brand products

See the progress made by 'Vaseline' Brand products.  
These sales figures are based on information from  
an independent market research organization.

These forceful advertisements  
for 'Vaseline' Liquid Shampoo  
appear regularly in the national  
press. This year 'Vaseline' pro-  
ducts are backed by heavier  
advertising than ever before.



**Chesebrough MFG. CO. LTD.**  
VICTORIA RD. N.W.10  
*Makers of 'Vaseline' Brand Products*

## KEEP UP YOUR STOCKS ALL THE YEAR ROUND



# Show

# Elasto

THE BIOCHEMIC TABLET

## It sells on sight!



*The illustration shows a small display-piece designed to tie up with our summer advertising.*

*Given a place in your window, it will bring new customers to your counter.*

*During the hot weather, countless men and women suffer foot and leg discomforts and—owing to its beneficial effect on the circulation—‘Elasto’ is a real boon to these people.*

*They are grateful and they recommend.*

**One Shilling  
and Sevenpence  
PROFIT  
on each sale!**

‘Elasto’ • Cecil House • Holborn Viaduct • London

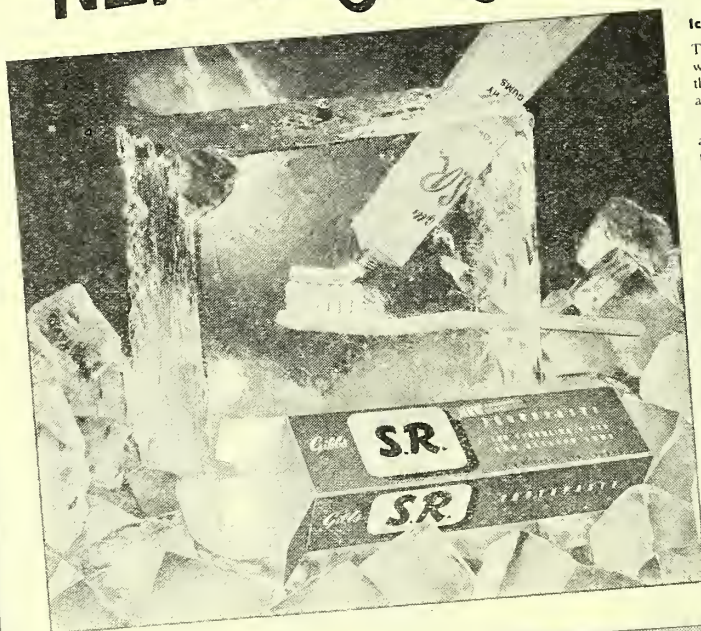
# In the **DAILY**

## Gibbs announce the

### "tingling-fresh" news!

Now! Pure-white SR with

## NEW "tingling-fresh" flavour!



#### Ice-fresh for a fresh mouth!

Tingling-fresh! Ice-fresh! That's the freshness the wonderful new flavour of SR brings you. A flavour that makes your breath sweeter, sets your whole mouth a-tingling with healthy freshness!

Besides keeping your teeth white and sparkling, SR also gives your gums the care they need. It's the only toothpaste that contains Sodium Ricinoleate to protect your gums from gum troubles.

Try new SR today. It's in a bright new pack too. Now only 1/7 & 2/5.

#### Feel that healthy tingle on your gums!

That SR tingle on your gums means freshness, yes... and something more too.

Brushing with SR stimulates the gums and helps protect them from gum troubles. For SR stands for Sodium Ricinoleate, the actual substance dentists use to clear up infected gums.



**Gibbs S.R.** keeps mouth fresh and gums healthy

**Half-pages** like this are carrying the new Gibbs SR "tingling-fresh" story to more than 60 million readers of the big National Daily and Sunday newspapers.



# EXPRESS



Let these displays put the "tingling-fresh"  
message on your counter!



**NOW!**  
**Jaffajuce**  
*for the customer who won't  
 spend more than 3/-*



**SAME  
 SUPERB  
 QUALITY**

—only the size is altered

Jaffajuce at 3/9 will continue to earn the goodwill of your better-off customers. And now that it's bottled in a 3/- size as well, the same superb quality Jaffajuce can earn you extra goodwill and extra profit from the large number of customers who *want* Jaffajuce but won't spend more than 3/- on a bottle of squash.

—now available in two sizes  
 26 oz. bottle Retail Price 3/9  
 20 oz. bottle Retail Price 3/-  
 Usual handsome trade discounts

Order direct, or from your  
 usual wholesale chemist

THE APOLLINARIS CO., LTD., MASON'S AVENUE  
 HARROW, MIDDLESEX.

Tel. Harrow 4353

**New  
 WALT DISNEY  
 Design**

## DDT FLY CARDS

SQUARE & CUT OUTS

Sample & prices on application to :-

**THE COUNTY PAPER MILLS**

72 TOTTENHAM COURT ROAD,  
 LONDON, W.1

[MUSEum 0655



*for fine chemicals  
 especially :*

**ASPIRIN B.P. "FRE-FLO"**

**CITRIC ACID B.P.**

**SALICYLIC ACID B.P. & TECH.**

**SODIUM SALICYLATE B.P.**

**TARTARIC ACID B.P.**

**VANILLIN 100%**

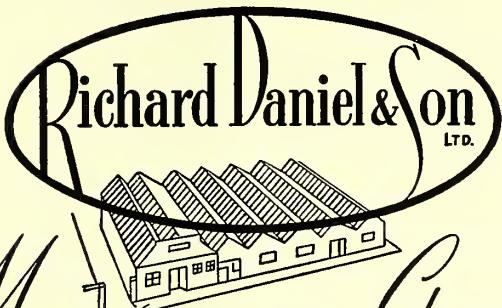
**H. W. GRAESSER-THOMAS LIMITED**

49 LEADENHALL STREET,  
 LONDON, E.C.3

TELEPHONES: ROYAL 3011-6111



**FOR CHEMISTS**



**DRUGS** **SUNDRIES**

*Manufacturing Chemists*

**PILLS • TABLETS**  
**PROPRIETARIES**

**HEAD OFFICE & WORKS: MANSFIELD ROAD, DERBY. Tel: 48266 (4 lines)**  
**BRANCH WAREHOUSE: GROSVENOR ST., ASHTON under LYNE. Tel: 2816 (3 lines)**

• The pollination period of wild flowers and grasses is particularly dangerous to sufferers of:—



**PATA** ®

**HAY ASTHMA**  
**ALLERGIC CORYZA**  
**HAY FEVER**

BUT THE

**“RIDDOBRON”**  
**NASAL OINTMENT**  
**AFFORDS COMPLETE RELIEF**

SUPPLIED IN 5, 10 AND 30 GRAM TUBES  
PLEASE ASK FOR REDUCED PRICE LIST

---

**• RIDDELL PRODUCTS LTD. •**

TELEPHONE : PIONEERS OF INHALATION THERAPY GER : 3754

**Axtell House, Warwick Street, Regent Street, London, W.1**

—AND—

**11 MANSFIELD CHAMBERS, ST. ANN'S SQUARE, MANCHESTER, 2**

Yardley have pleasure in announcing

an addition to their Lavender range – a 1 oz.

bottle, in individual carton, retailing at 6/-

Phenomenal demand is expected. Please order

only through our representative when



he calls, or use the special pre-

paid card posted to you



Only Yardley have the art of

blending lavender as a richer, more

concentrated essence that satisfies

the smart woman. She loves its supreme

freshness and fragrance. She knows

Yardley Lavender lasts longer and

is therefore a charming economy.



from 6/-



SUPPLY — AND SUIT — YOUR  
CUSTOMERS WITH

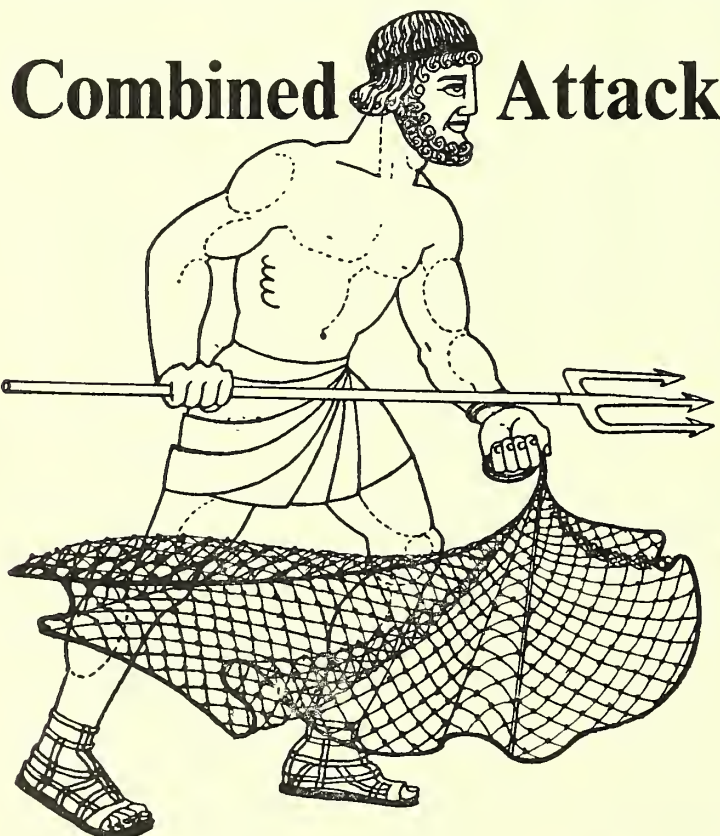
*Certor* SURGICAL  
ELASTIC HOSIERY

*Reliable both for quality and fit*

Certor Surgical Elastic Hosiery, both seamless fine thread and Lastex yarn two-way stretch, is of reliable quality.

There is a full range of stock sizes, and special fittings are supplied where necessary.

MACDONALD & SON LTD. · HOPE MILLS · POLLARD STREET · MANCHESTER, 4



## Combined Attack

The combined use of Mycil Ointment and Mycil Dusting Powder provides effective *non-mercurial* treatment for athlete's foot and other fungal infections of the skin.

Mycil Ointment penetrates deeply to the site of infection.

Mycil Foot Powder protects against reinfection after clinical cure has been effected and is a useful agent with which to combat excessive perspiration.



## 'MYCIL'

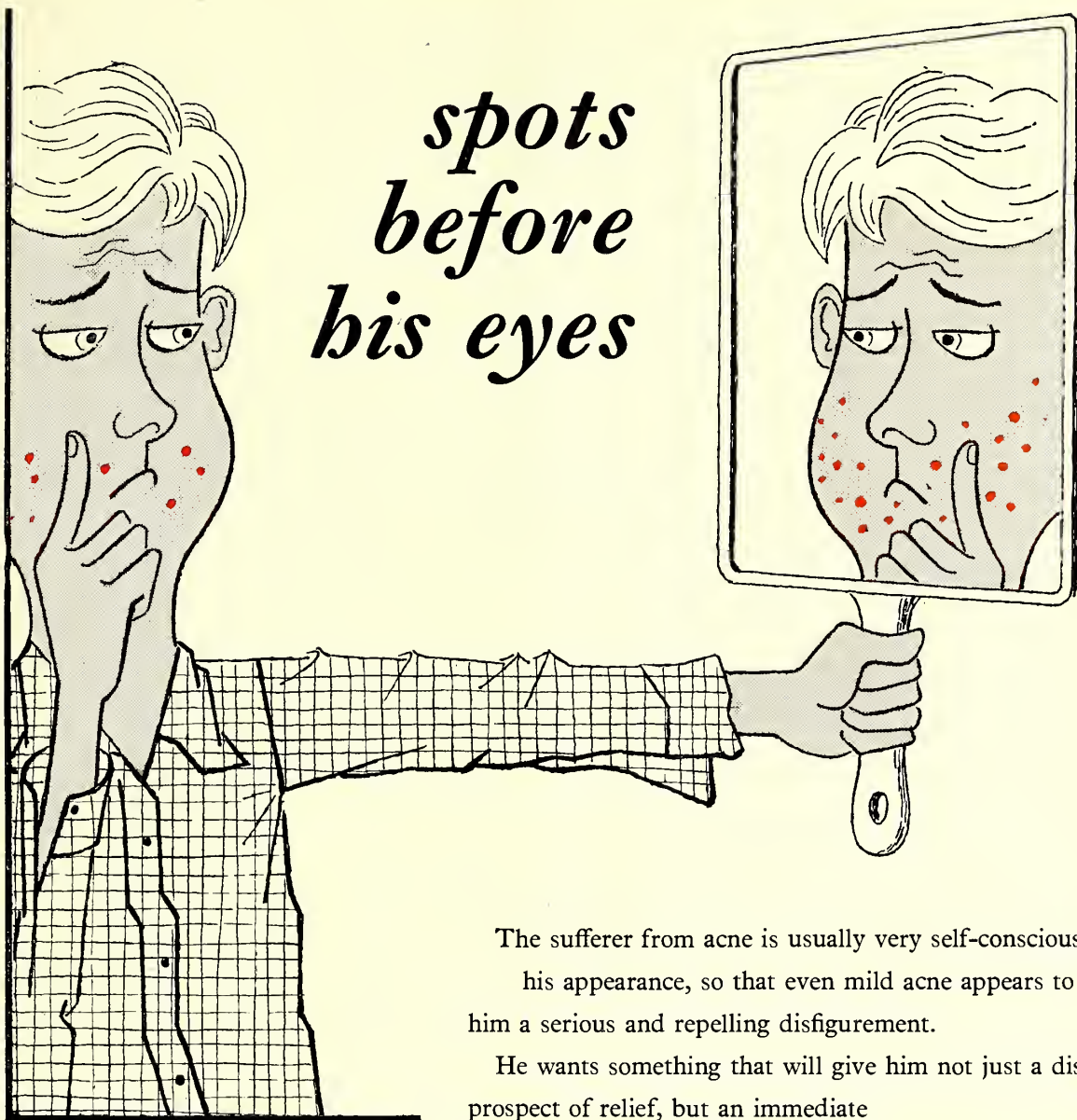
'MYCIL' OINTMENT  
*in collapsible metal tubes*  
Trade 1/6 Retail 2/8

'MYCIL' FOOT POWDER  
*in sprinkler tins*  
Trade 1/6 Retail 2/8

THE BRITISH DRUG HOUSES LTD, LONDON N.1  
MYC/T/11



# *spots before his eyes*



The sufferer from acne is usually very self-conscious of his appearance, so that even mild acne appears to him a serious and repelling disfigurement.

He wants something that will give him not just a distant prospect of relief, but an immediate improvement in his appearance.

## **'Eskamel'** *for acne*

Resorcinol (2%) and sulphur (8%) in a stable, grease-free, flesh-tinted base  
Issued in specially lined 1-oz. tubes. Retail price 4/3½ each

'Eskamel' gives him just this. It is delicately flesh-tinted, so that the unsightly spots are hidden immediately it is applied, and it usually brings rapid improvement in a matter of days or weeks. Stock and recommend 'Eskamel'. Your customers will be grateful and you will be putting ready money in your till.

**MENLEY & JAMES, LIMITED, COLDHARBOUR LANE, LONDON, S.E.5**  
EMT63 for Smith Kline & French International Co., owner of the trade mark 'Eskamel'

**BARTLETT'S**  
Super Value

*Protector* BRAND

# Sun Glasses

★ 4 FEATURES FROM THE NEW RANGE



P.4

Popular selling design—Panto shape. Crookes Lenses and pin hinges. Colours: Crystal Rose, Champagne, Crystal Blue, White and Shell. RETAIL PRICE 1/6



M.1

Pilot-type Sunglass, in choice of 4 patterns, Crookes Lenses. Gilt or Nickel plated finish. RETAIL PRICE 5/-



J.1

Jewelled Sun Glass with Crookes Lenses. Crystal Rose, Champagne, Blue and Clear—also Shell colour. Decorated with rhinestones. RETAIL PRICE 4/6



CLIP OVERS. Sliding bar style with Crookes Lenses. Panto or Quadra shape. Nickel finish - RETAIL PRICE 3/9 Gilt finish - RETAIL PRICE 4/9

**for Coronation Year**

IN the new "Protector" Brand Sun Glasses, Bartlett's offer keener value and a wider choice than ever before.

Over 150 of the latest styles in plastic, metal and jewelled frames at prices from 6d. to 3 gns.

British, French and Italian sun glasses and Clipovers with Crookes lenses—Adults, Teenage and Children's sizes in a wide variety of colours.

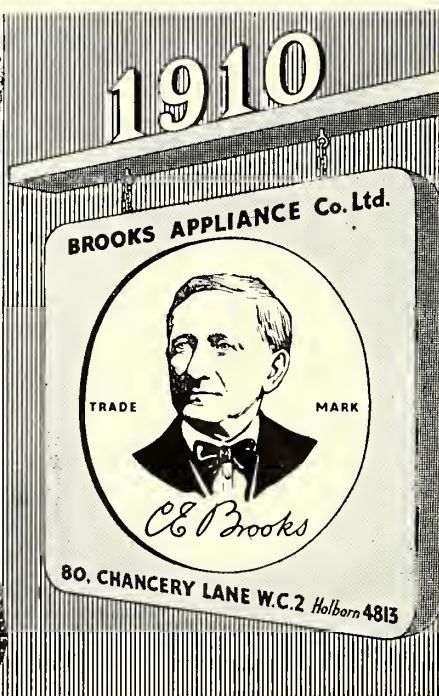
Write or phone for your copy of the new Bartlett Coronation Year Brochure.

**ORDER FROM YOUR USUAL WHOLESALER**

*All Wholesale enquiries to this address please*

**ALFRED FRANKS & BARTLETT CO. LTD**  
226/8 GRAY'S INN ROAD · LONDON · W.C.1 Telephone: TERminus 9865/8

Why not work  
with the  
best known  
name in the  
**RUPTURE**  
**APPLIANCE**  
business?



BE WISE and take advantage of 43 years of trading goodwill and sell BROOKS RUPTURE APPLIANCES. Discount terms for individual orders, or stockist terms, are available to Retail Chemists. Vacancies are still open in many places for sales agents with the right personal fitting facilities, and applications are invited. Terms for these are particularly co-operative and attractive.

BROOKS RUPTURE APPLIANCES are far and away the best sellers of their kind because they are made to measure with complete satisfaction guaranteed.

**Rupture . . .**  
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**BROOKS APPLIANCE CO. LTD.**

80 CHANCERY LANE, LONDON, W.C.2

and at HILTON CHAMBERS, HILTON STREET, STEVENSON SQUARE, MANCHESTER 1

66 RODNEY STREET, LIVERPOOL

Appliances supplied under  
The National Health Service





the safer  
antibiotic  
lozenge

# Tyrozets

Trade Mark

## ANTIBIOTIC-ANAESTHETIC THROAT LOZENGES

'TYROZETS' move fast because 'Tyrozets' work fast! Bacteria-killing *tyrothricin* and soothing *benzocaine* promptly relieve raw, sore throats. The prescription demand is heavy, and patients appreciate the pleasant taste of 'Tyrozets.'

'TYROZETS' are a unique lozenge that delivers 1 mg. of antibiotic *tyrothricin* and 5 mg. of soothing *benzocaine* directly to the site of pain and infection.

'TYROZETS'\* are packed in special plastic tubes of 12 lozenges, list price 3/6 per tube, less 33½% trade discount (exempt tax). Special parcels of 36 tubes or more at 27/- per dozen, net.

\* 'TYROZETS' may be sold without a prescription.

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DOHME

SHARP & DOHME LTD., HODDESDON, HERTS

READY SHORTLY

*A Modern Version of  
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Completely re-written

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"The Art of Dispensing" is the most economical, complete and up-to-date manual dealing with the pharmacist's work at the dispensing counter.

This treatise on the methods and processes involved in compounding medical prescriptions has proved of untold value to generations of pharmacists and may, indeed, be regarded as the classical work on this subject.

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New ideas have been incorporated and scientific knowledge has been added to the art formerly based on skilful training during apprenticeship and from experience gained in pharmacies of international repute.

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**CHEMIST AND DRUGGIST**

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# DIBISTIN CREAM

(1% Antistin with 1% Pyrihenzamine)

The double antihistamine in a form for local application in the treatment of allergic and pruritic skin disorders.

**Rapidly relieves itching and irritation**

**Tubes of 1 oz. (3s. 6d.) Jars of 1 lb. (42s.)**

*Subject to the usual discounts. Exempt Purchase Tax.*

Dibistin tablets are available to supplement local therapy in severe cases and for other allergic disorders.

Dibistin Cream exempt Poisons Regulations. Dibistin Tablets Schedule 4 Poison.

*'Dibistin', 'Antistin' and 'Pyrihenzamine' are trade marks.*

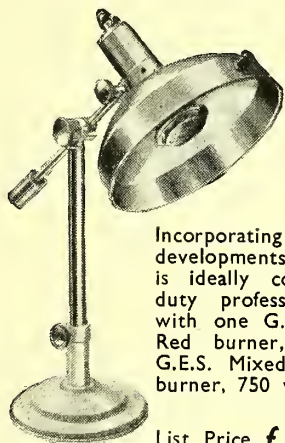
**CIBA LABORATORIES LIMITED · HORSHAM · SUSSEX**

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3/3

## SOL-TAN



*Speedy  
Relief  
from Pain!*  
**'SOL-TAN'  
PROFESSIONAL**  
Cat. No. E.M.29

Incorporating the latest scientific developments, this attractive model is ideally constructed for heavy duty professional use. Supplied with one G.E.S. Long Wave Infra Red burner, 600 watt and one G.E.S. Mixed Wave Radiant Heat burner, 750 watt, and instructions.

List Price **£10.10.0** Tax Free

Spare Burners 35/- each

*Indoor Sunshine!*

**'SOL-TAN'  
"TRIPLERAY"  
100/23 T.M.**  
Quartz Burner

This excellent portable model produces rich Ultra-Violet Radiant-Heat Infra-Red rays at a touch of a switch. Exceptionally well made and incorporating only the highest class materials and workmanship.

Operated on A.C. only 200/250 volt.

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*Only supplied against Doctor's certificate or for professional use*

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*You'll be busy with*

# BRONTAN

REGD. TRADE MARK

## SUN-TAN CREAM

### THIS SUMMER



NON-GREASY BRONTAN tans fast and sells fast, and each tube will show YOU a healthy profit. Now's the time to order for your share of this brisk business which will be continual throughout the summer.

Trade Price 10/3 per dozen  
(P. Tax 7/8 $\frac{1}{2}$ )

Retail 2/- per tube  
(inc. Tax)

Bonus for display, 13 to the dozen on parcels of not less than 3 dozen

JOHN BELL, HILLS & LUCAS LTD., OXFORD WORKS, WORSLEY BRIDGE RD., S.E.26

G &amp; G

### 3 REASONS WHY IT **PAYS** TO STOCK DETHMOR-WARFARIN

CONCENTRATE

- 1 **IT IS UNIQUE** — Dethmor-Warfarin is the only British rodenticide containing genuine Warfarin approved by the originators, Wisconsin Alumni Research Foundation, U.S.A.
- 2 **IT SELLS** — national advertising boosts sales.

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**33 $\frac{1}{3}$ %**

In tins : 4 oz. 4/-; 1 lb. 13/6; 7 lbs. 73/6

## DETHMOR-WARFARIN KILLS RATS

From your wholesaler, or direct, for charging through your wholesaler, from :—

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### Still the most reliable remedy for Rheumatism

For nearly 40 years Curicones has been kept abreast of medical research. With its present formula, it is certainly the most reliable general remedy you can recommend to Rheumatic sufferers.

And its advertising is never allowed to get in a rut. Now that it is being stepped up in volume, watch Curicones sales begin to grow. Never let yourself run out of stock of the 5/4, 13/4 or 25/6 sizes.

We still have small supplies left of our novel "weather indicator" showcard. It is most effective and surprisingly accurate. Send us your name and address for one and see the interest it attracts.

## CURICONES



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**PATA**

**STEPHEN MATTHEWS & CO., LTD.**,  
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# Are YOU ready for **Dr. Scholl's** **FOOT COMFORT WEEK?**

## June 29th-July 4th

# 60,000,000

## advertisements

## in 6 days

## will concentrate

## public interest

## on FEET and

# FOOT TROUBLES

Never before has there been such a massive concentration of advertising telling the public of the wonderful relief that Dr. Scholl's Foot Aids and Remedies will give them.

Dr. Scholl's FOOT COMFORT WEEK will mark the high-spot of this intensive advertising campaign. Feature Foot Comfort in your pharmacy. SEND NOW FOR THE FOOT COMFORT WINDOW BILL. Raise your sales of Foot Aids this year to the highest peak ever!

Almost all FOOT PAIN is needless

### Dr. Scholl's FOOT COMFORT WEEK



IF YOU HAVE CORNS, CALLOUSES, BUNIONS, if your feet hurt—in any way—decide this week that you will not endure the pain and inconvenience any longer. Dr. Wm. M. Scholl, world-famous foot authority, asserts that *almost all foot pain is needless*, and the Foot Comfort Service he has founded proves the truth of his assertion times without number every day. Millions of men and women now walk in happy comfort thanks to Dr. Scholl's modern methods of foot relief. Begin to follow their example now.

**Follow the Scholl guide to lasting FOOT COMFORT**

**CORNS Instant Relief!**  
Apply Dr. Scholl's Super-Soft Zino-pads. Stop painful shoe pressure. Sizes for corns, callouses, bunions, soft corns. Medicated disks included for quick removal of corns. 1/2, 1/11 pkt.



**WEAK ARCHES**  
Dr. Scholl's light resilient Arch Supports relieve aching feet due to weak or fallen arches. Stylen for all foot conditions.



**HOT, TENDER FEET!**  
Use Dr. Scholl's New Formula Foot Powder. Gives all-day comfort. Makes any shoe comfortable to wear. 1 1/2 tin.



**LIKE WALKING ON PILLOWS**

**DR. SCHOLL'S AIR-PILLO INSOLES**  
Cushion feet from toe to heel. Give delightful walking ease. All sizes. 3.9 pair.



**NOW CHLOROPHYLL**  
Dr. Scholl's new Chloro-vent Insoles for those whose feet perspire easily. Keep feet amazingly fresh. 4.9 pair.



Bring your foot problems to the nearest Scholl branch

Our Expert Advisory Service is entirely free and without obligation, and includes a complete foot examination and scientific foot test. Every modern scientific aid to foot comfort is available at every Scholl branch.

**Scholl FOOT COMFORT SERVICE**

*Make sure that you have sufficient stocks in all sizes of:*

Dr. Scholl's Zino-Pads, Retail 1/- & 1/11

Dr. Scholl's Tarso-Pads, Retail 10d.

Dr. Scholl's Felt-Pads, Retail 10d.

Dr. Scholl's Foot Powder, Retail 1/11

Dr. Scholl's Air-Pillo Insoles, Retail 3/9

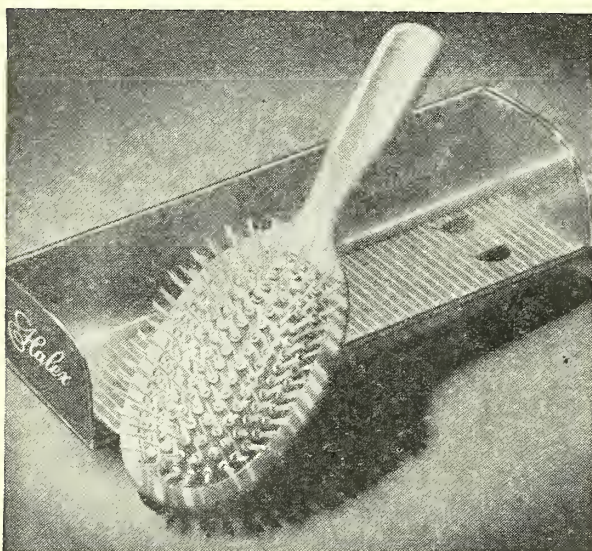
Dr. Scholl's Chloro-vent Insoles, Retail 4/-

**Send post-card with your slip label for Foot Comfort Window Bill**

THE SCHOLL MFG. CO, LTD., 182-204 ST. JOHN STREET, LONDON, E.C.1



# HEADLINERS FROM HALEX



## TO BRUSH-UP YOUR TURNOVER

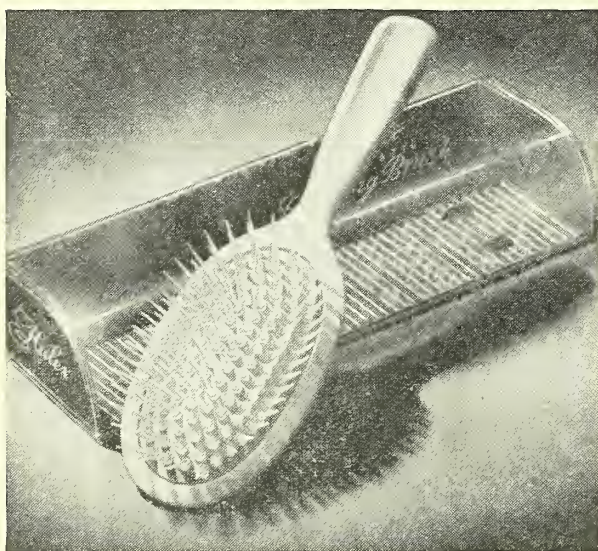
Halex **CUSHIONED NYLON HAIRBRUSH** — ideal for regular brushing; it stimulates the scalp, keeps the hair in good condition — smooth and shining. And it lasts almost forever . . .

Halex **PNEUMATIC COMBING BRUSH** — takes out tangles without tugging; is especially useful after a shampoo. Brushes right down to the roots, loosens scurf, massages scalp.

Both brushes have detachable washable pads for quick, easy cleaning. The sturdy backs come in pastel green, pink, or blue, with attractive pearl finish.

### POINT-OF-SALE DISPLAY

The new pack shows these fine brushes to advantage. They'll catch the customer's eye — and how they'll sell! And the retail price — only 12/- each!

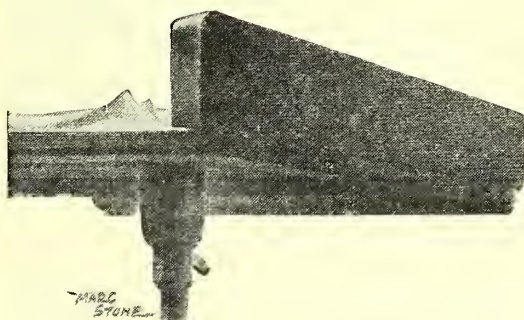


# HALEX

LIMITED, HIGHAMS PARK, LONDON, E.4

SHOWROOMS: LONDON: 9 CONDUIT STREET, W.1    MANCHESTER: 7 PALL MALL, MANCHESTER 2



*Achievement in our time*

An orchestra or choir which comes under the control of Sir Malcolm Sargent may count itself lucky. For then its work is not subject to storms of temperament or temper, but to the steady discipline and attention to detail which are as vital to an artist as they are to a technician. Indeed, in Sir Malcolm these two personalities combine to make one superb musician. *Achievement in our time* comes only as it always came—by mastery of technique based on knowledge and devotion. It is our conviction that this can also mark the attitude of a chemical house on which the health of men and the progress of industry depend.



FINE CHEMICALS BY

**HOWARDS OF ILFORD***Established in 1797*

ASPIRIN • AVANTINE • BISMUTH SALTS • BROMIDES • CITRATES • ETHERS • HEAVY MAGNESIAS • IODIDES  
LACTATES • QUININE • SALICYLATES • SORBITOL • TABLETS • THYMOL

TBW.A3

# BRITISH ALKALOIDS LIMITED

(Manufacturers of "T.C.P.")

## IMPROVED RESULTS

### MR. E. OSWALD TOFT'S STATEMENT

The twenty-fourth annual general meeting of British Alkaloids, Ltd., was held on the 10th instant, at Winchester House, Old Broad Street, London, E.C., Mr. E. Oswald Toft, F.C.A., F.Inst. D., (the chairman), presiding.

*The following is the Chairman's statement, which was circulated with the annual report and accounts for the year ended 31st March, 1953.*

In the first place, I would direct your attention to the Profit and Loss Account for the year to 31st March, 1953, and to the comparative figures for 1952.

It will be observed that there is a gratifying increase of £17,618 Gross Profit on trading compared with that for the year to 31st March, 1952. On the other hand, there is a small increase of £1,060 in the balance of Advertising Expenditure written off compared with last year, which still leaves the intangible but valuable asset derived from this expenditure as nil on the Balance Sheet—a policy which cannot be more prudent.

### OPERATION OF INCOME-TAX AND PROFITS TAX

The charge for Taxation £30,800 in the Profit and Loss Account is based on the profit made in the year and the rate of charge for Profits Tax is still heavily weighted by the amounts paid and proposed to be paid by way of dividend. It will be noted this year that Profits Tax is down and Income Tax up compared with the year to 31st March, 1952, when comparing like with like, but it is as well to have regard to the increase in Income Tax and Profits Tax combined, over the total charge for last year, as the method of computation of Profits Tax liability for the year to 31st March, 1953, involves a smaller amount of Profits Tax on a like figure of profit, but a correspondingly greater amount of Income Tax. The total provisions for Taxation this year represent 58.8 per cent. of our profit for the year, after charging all expenses and Advertising Expenditure, but before deducting the amount of £31,299 appropriated for Taxation. Last year the corresponding percentage was 55.3 per cent. Despite this ever present burden, we have transferred £5,000 to General Reserve to maintain a comfortable excess of current assets over current liabilities, to finance replacement of fixed assets, and to permit normal expansion without recourse to the raising of additional capital. After all appropriations have been taken into account, including Interim Dividend already paid, there is a balance standing to the credit of this year's Profit and Loss Appropriation Account of £17,293 available for the payment of a Final Dividend, which your Board now recommend should be 2.1 pence per share, less Income Tax, on the Issued Share Capital of the Company. This Final Dividend will require £8,759, which figure is debited in the Profit and Loss Account herewith, and if approved, warrants will be posted to Shareholders on the 10th June, 1953. It will be noted that the credit balance on the Profit and Loss Account then becomes £8,534 compared with the balance to the credit of Profit and Loss Account brought in from last year of £6,852.

Now as regards the more significant items in the Balance Sheet.

It will be noted that there is a decrease in stocks of £21,980 compared with last year. In so far as this decrease relates to stocks of raw materials, your Board took the view that an easing in the supply position might be anticipated, and up to the present this has been confirmed by events. Nevertheless, Current Assets standing at £189,683 exceed Current Liabilities and Provisions by the substantial sum of £120,633 after making provision for the proposed Final Dividend.

Turning to more general matters, I have to report that we have now leased premises very conveniently situated to our Works at Willesden for the housing of stocks, thus replacing the warehouse which we rented previously in the London Dock Area. At that time, this was the only suitable accommodation we could obtain at an economic rent, although inconvenient, owing to its distance from our Willesden Works.

### TRADING TRENDS

On the subject of Trading, it is disappointing to have to report a slight falling off in our Export Trade during the year, but this serves to emphasise the difficult conditions which still prevail in many overseas markets. Import restrictions have militated against the continued improvement in our business abroad which we had been inclined to anticipate, but we hope that the present year may see a return to the previous upward trend.

Our Home Trade, on the other hand, has shown a pleasing expansion during the year, so far as our main Product is concerned, and there seems little doubt that personal recommendation by users of T.C.P. has been a potent factor in this increase. The continued co-operation of Chemists in recommending T.C.P. gives professional backing to the good opinion of T.C.P. which is so widely held. We thank most heartily all our Chemist friends for their assistance in this direction and also the many anonymous members of the public who have felt the urge to recommend T.C.P. to their friends.

### ADJUNCT TO THE HEALTH SERVICE

In this connection it becomes increasingly evident that T.C.P. provides a much-needed and very welcome adjunct to the Health Scheme in the many homes which have come to recognise its value for first-aid and preventive treatment. This highly important factor makes it difficult indeed to comprehend why a preparation of such service as T.C.P. should be burdened at all with Purchase Tax, although we naturally welcome the reduction to 25 per cent. in this tax made by the Chancellor in his recent Budget.

I am pleased to tell you that for the initial period of the present year our turnover has been maintained, but in view of the complicated present-day situation, I do not feel that I would care to make any prediction regarding the future trend of business generally. For the benefit of new Shareholders, I would reiterate how much Shareholders themselves can do towards widening the sales of their own Company's products.

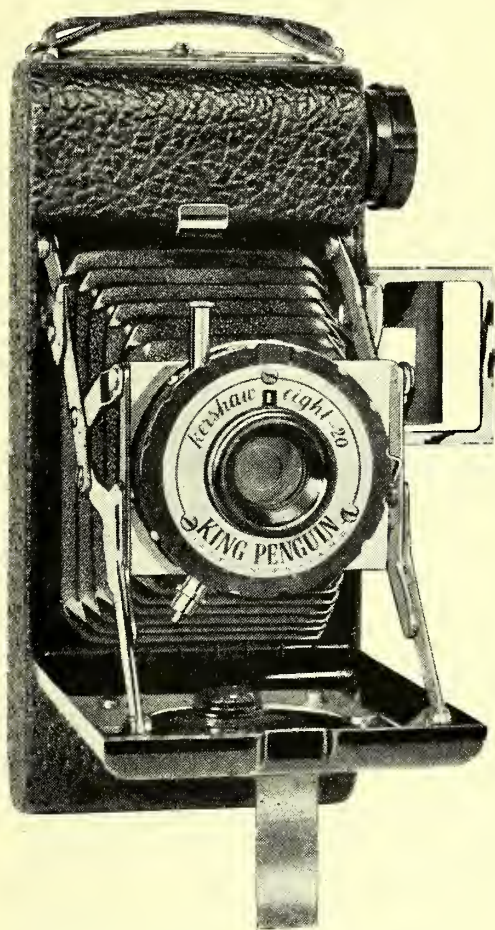
For what has been achieved in the past year, I am sure Shareholders will wish to record with me their thanks, once again, to the Company's staff, both office and factory, and to our Marketing Organisation, for the improvement in the results shown this year and for their endeavours in the interests of all concerned.

The report and accounts were unanimously adopted, and a final dividend of 2.1 pence per share, less tax, making 3.6 pence per share, less income-tax for the year was passed.

The retiring director (Mr. E. Oswald Toft), was re-elected and the remuneration of the auditors, (Messrs. Oakley, Wederell & Co.) having been fixed, the proceedings terminated with a cordial vote of thanks to the chairman, directors, and staff.



# Sell value *plus* \*



**So many 'expensive equipment' features make the popular-priced Kershaw King Penguin the finest folding camera value on the market today.**

#### **Synchronised for flash**

Shutter; instantaneous, and bulb for longer exposures. Smooth action release.

#### **Fully self-erecting**

Press the catch and the camera is fully open, ready for action.

#### **High-quality Kershaw Lens**

Two self-positioning apertures — F/11 and F/16.

#### **Sports-type viewfinder**

Instant clear pictures with eye level, direct-vision viewfinder.

#### **Tripod Fitting**

British and Continental baseboard bush for tripod and flash-gun attachment.

#### **Ultra-smart appearance**

The body is covered in richly grained black leatherette.



## King Penguin

**3¼" x 2¼" folding camera**

***only* £4.19.10d (inc. P.T.)**

The Kershaw King Penguin is the finest camera in its class. Write today for sales literature and colourful display material.

### **KERSHAW-SOHO (SALES) LTD**

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A Member of the British Optical and Precision Engineers' Group



\* these optional extras  
add to its versatility

- \* Portrait attachment for close-ups
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*Stock Twincor Tumblers because—*

- ★ Only first-grade Polythene used.
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- ★ Hygienic in bathroom, nursery, kitchen, hospitals. Ideal for picnics, etc.

ASK YOUR WHOLESALER

Manufacturers:

JARRETT, RAINSFORD & LAUGHTON, LTD., BIRMINGHAM

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**CALENDARS**

*for*

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LONDON, E.1.**

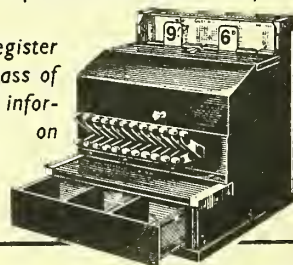
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The Gledhill Cash Register confirms mechanically every payment to the satisfaction of the shopper as well as to the shop. It registers accurately the amount of each cash sale, indicates the figures to the customer and records all takings with a grand total at the end of the day's trading.

The installation of a Gledhill Cash Register simplifies the handling of cash, eliminates errors, protects the profits and saves many arguments.

There is a Gledhill Register for every size and class of retail business. Fully informative Catalogue on request.

**BRITISH MADE  
FOR 60 YEARS**



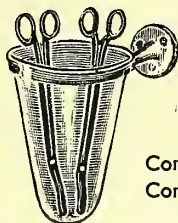
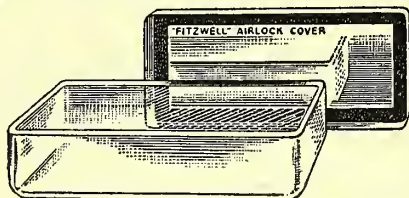
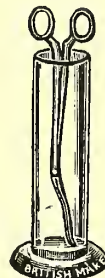
**G. H. GLEDHILL & SONS LTD**  
28 TRINITY WORKS, HALIFAX



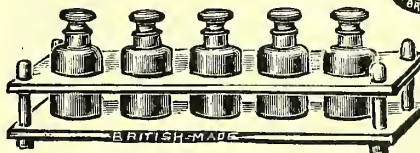
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**A. SEARLE & CO.****SURGICAL INSTRUMENT  
MANUFACTURERS**

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Conical Forceps  
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Tray with Fitzwell Air Lock Cover



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MANUFACTURING SPECIALISTS OF

**ACID SALICYLIC<sub>B.P.</sub> &****SODIUM SALICYLATE<sub>B.P.</sub>**

FOR OVER 30 YEARS

*The*  
**WARRINGTON** CHEMICAL  
& DRUG CO. LTDPADDINGTON WORKS, WARRINGTON, ENGLAND  
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If you require preparations manufactured to your own formulae, or to official formulae, why not contact the Howard Lloyd Company and talk it over with them. You'll find their chemists most helpful and well able to cope with most of the problems that might confront you.

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AND COMPANY LIMITED

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AND AT LEICESTER.

*Makers of Fine Pharmaceuticals  
to the Medical Profession since 1880.*

## A **NEW** HAIR COSMETIC

THE  
*Four-in-one*  
**INECTO**



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|----------------------|-----------------|
| 14 Blue Black        | 20 Golden Brown |
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*In attractive Home Pack*

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SMOKING MIXTURE AND  
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*"I'm Freezheat"* . . . father of a brilliant family . . .

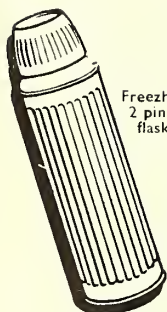
symbol of the inbred quality and sales appeal which have made the 'Freezheat' family famous in 5 continents. Some of us are pint-sized, others puffed up twice as large.

You may meet us in utility clothes hobnobbing with hikers, playing hostess at a picnic or sitting sedately in splendid Georgian dress at cards with a Countess.

But, wherever we go, we Freezheats make big *news* . . . and money for those who make friends with us. Let me introduce the livewire family into *your* business.

It could be the beginning of a *very profitable partnership*.

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2 pint  
flask



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1 pint  
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1 pint  
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Freezheat  
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porce-  
lain).



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1 pint  
flask.

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MADE FROM  
**LATEX FOAM**

COOL AND REFRESHING. A BOON TO  
TIRED AND ACHING FEET.  
CUMFY-SOCKS WILL NOT RUCK  
THEY'RE WASHABLE . . . ODOURLESS.  
JUST SLIP INTO THE SHOE WITH  
CLOTH SIDE UP AND WALK ON AIR.  
PACKED IN PRINTED CELLOPHANE  
PACKS. FULL RANGE OF SIZES.  
MENS AND WOMENS.  
CUMFY-SOCKS SELL FAST. THEY  
SELL ALL THE YEAR ROUND  
FOR FOOT EASE . . . FOR QUICK PROFITS  
SELL THEM CUMFY-SOCKS.  
Initial Orders will be executed in an assortment  
of popular selling sizes.

**16%**

**DOZ.**

**CARRIAGE PAID  
3 DOZEN LOTS  
ASSORTED SIZES**

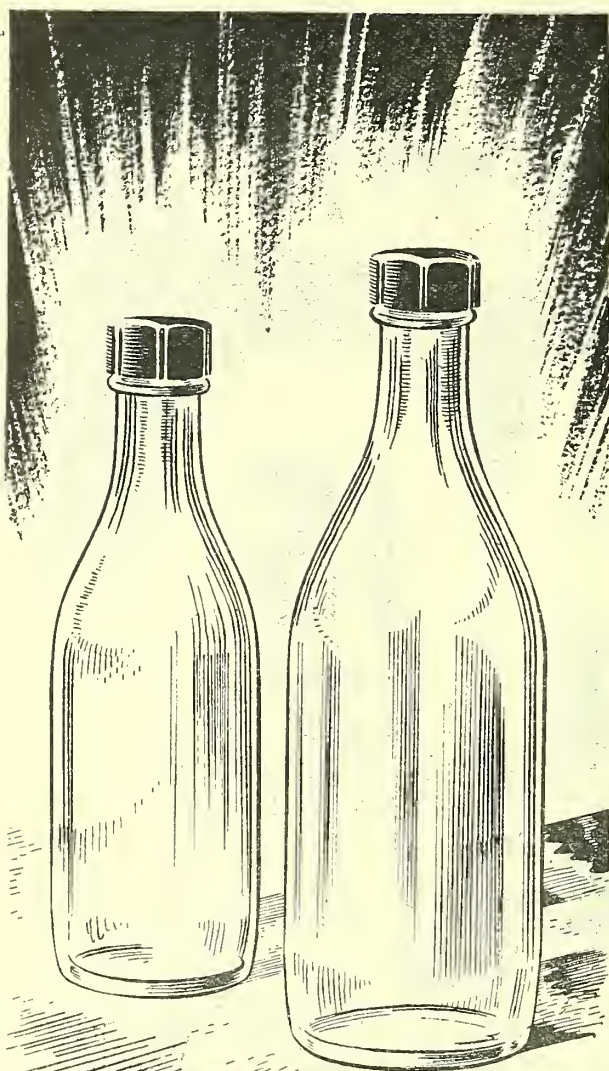
MADE  
IN  
ENGLAND.

**RETAIL  
AT**

**2%  
PAIR**

**RODMILL CHEMICAL CO. LTD**

**ISLINGTON ROW  
· LIVERPOOL · 3**

**BEATSON**

BAKELITE CAPPED

**Champagne Oils**

These bottles greatly enhance the presentation of packed oils. They are available in 2½ oz., 5 oz., 10 oz., and 20 oz. capacities.

**BEATSON CLARK & CO., LTD.**

Glass Bottle Manufacturers

ROTHERHAM

Est. 1751

YORKS

"The Sign of a



Good Bottle"

**IT PAYS YOU  
TO SELL**



By Appointment  
to the late  
King George VI

**THERMOS**

REGISTERED TRADE MARK

BRAND VACUUM FLASKS, JUGS &amp; JARS



**- THE  
PUBLIC  
LIKE  
THEM  
TOO!**

THERMOS (1925) LIMITED, SEYMOUR ROAD, LEYTON, LONDON, E.15

**A Non-Spill Beaker  
For Bedded  
Patients**



The Inval Beaker marks a new era in feeding patients in prone or propped positions. Comes in Ivory durable, easily sterilisable Melamine.

Lidded feature prevents mess and spillage and controlled flow enables patient to drink safely. A boon to patient and nurse, for professional or home treatment.

Inval Beaker is the logical development of the five year proved Teacher Beaker patented principle.

Wholesale 50/- per dozen. Retail 5/11d. each.

Full surround label and salesmaking crownners in each ½ dozen box.

**INVAL BEAKER** REGD.

Product of J. L. Caplin, Ltd., 178/180 Homerton High Street, London, E.9, makers of the famous Teacher Beaker with which one child in five learns self-feeding.

ORDER FROM YOUR MEDICAL EQUIPMENT OR SUNDRIES WHOLESALER



***In Allergic Conditions*****CALCIUM - SANDOZ**

is a useful alternative to treatment with anti-histamine drugs. Furthermore, the parenteral and oral administration of Calcium-Sandoz combined with antihistaminics has been reported to elicit good results in cases where the use of one of those drugs proved to be of no avail.

*(Int. Arch. Allergy, N.Y., 1952, 3, 67.)*

- ★ **Urticaria (acute and chronic)**
- ★ **Drug eruptions**
- ★ **Hay-fever**
- ★ **Bronchial asthma**
- ★ **Post-transfusional reactions**

*Literature and samples available on request*

**SANDOZ PRODUCTS LIMITED**

134, Wigmore Street,

London, W.1.



**BIG** national  
advertising  
is **SELLING**

this **little** product  
to thousands!



Our Sales Records are all being broken. Get *your* share of the BIG PROFIT MARGIN from this little product. It's ideal for the home; neat, delicately perfumed, immediately lethal to flies and moths. Smart display outer carries 3 dozen! Retails at 6d.



DDT  
**FLYPAK**  
THE NEW NEATER PRODUCT THAT  
*kills flies cleanly!*

Write for terms to sole distributors:  
**DALMAS LTD.**

Junior Street,  
LEICESTER

and

140/142 St. John Street,  
LONDON, E.C.1

1898



# ORANGE PEEL & PETALS LEMON PEEL LIME FLOWERS

and all other Botanicals, Gums,  
Waxes, Essential Oils and Spices

**JOHN KELLYS (LONDON) LTD.**  
24 OLD BROAD STREET, E.C.2

Telephone: LONDON Wall 4882, 6585, 6586

Telegrams: "Ergotine, Stock, London"

NEW YORK • AMSTERDAM • HAMBURG

N23



GUMS & LOZENGES  
FRYER & CO. (Nelson) LTD., NELSON, LANCS.

**SURE-SELLING STOCK!**

OVER 150 YEARS REPUTATION  
**KEARSLEY'S**

THE ORIGINAL

**WIDOW WELCH'S FEMALE PILLS**

9d. BOX PROFIT by ordering 1 dozen  
3/3½ size. Bonus given on every dozen (13).  
It pays to push this size.

Established 1787  
in the Reign of  
King George III

**C. & G. KEARSLEY LTD.**  
71 DARTMOUTH ROAD, LONDON, S.E.23



# PHENOXETOL

Regd. Trade Mark

B.P.C.

The original antipyocyan compound with its developing use as a special preservative and antiseptic for penicillin creams, anti-burn ointments and pharmaceutical-medicinal preparations.

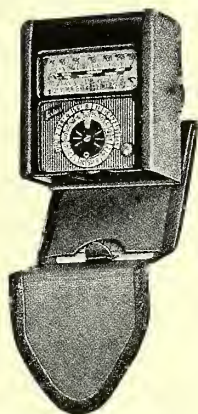
*We shall be happy to send you full technical details on request.*

**NIPA LABORATORIES LTD**  
TREForest TRADING ESTATE  
Nr. CARDIFF TEL: TAFFS WELL 128 & 150

*Sole Distributors for the United Kingdom :*

**P. SAMUELSON & CO., ROMAN WALL HOUSE, 1 CRUTCHED FRIARS, E.C.3. Telephone: ROYAL 2117/8**

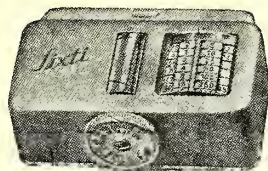
## FOR CORRECT EXPOSURE . . .



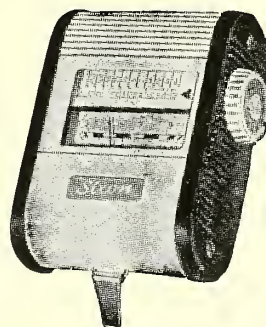
**SIXTUS**  
**SIXTUS C** } £7. 15. 4



**SIXTOMAT** £9. 14. 1  
**SIXTOMAT I** £11. 12. 6  
(Incident Light Meter)



**SIXTI** £11. 12. 6  
(Fits standard accessory shoes)



**SIXON** £6. 9. 2



# JONATHAN FALLOWFIELD LTD.

74 NEWMAN ST. LONDON W.1. MUSEUM 7401-2-3



# NEW DISPLAY MATERIAL and a **GENEROUS BONUS** for **NURONA**

*For quick and  
painless Tanning*

**N**URONA prevents painful sunburn while encouraging a quick *natural* tan. The Liquid (Sun Tan) is also very popular as a substitute for hosiery in all seasons.



**SUNTAN  
CREAM**  
IN 4oz. & 8oz. SIZES

The Sun Bronze Cream is a development of the Sun Tan Cream, with a vanishing cream base excellent as a make-up foundation. The tube has proved extremely popular because of its handiness for pocket or handbag.

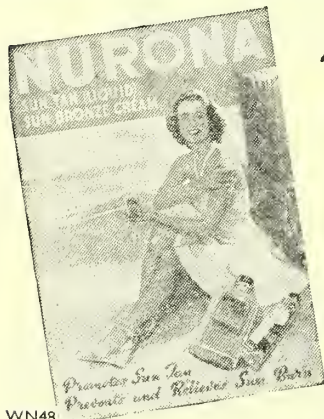


**SUNBRONZE  
CREAM**

## PRICES

Sun Tan Cream: 13/6 and 21/- per doz., plus 75% P. Tax Retail at 2/6 and 4/- per bottle.

Sun Bronze Cream: 13/6 per doz., plus 75% P. Tax. (Standard Tube) Retail 2/6 per tube.



## ATTRACTIVE NEW SHOWCARD

### BONUS OFFER

Assorted orders for 3 doz. or more qualify for Showcard and Bonus of one free bottle or tube in each dozen — i.e., 36 bottles or tubes invoiced as 33.

Bonus parcels should be ordered direct, but may be invoiced through your usual wholesaler.

**JAMES WOOLLEY, SONS & CO. LTD.**  
Victoria Bridge Manchester, 3

Have any  
of your customers  
been to Scotland?

*They're certain to know all about*

# askit

*the Powder that's a household name!*

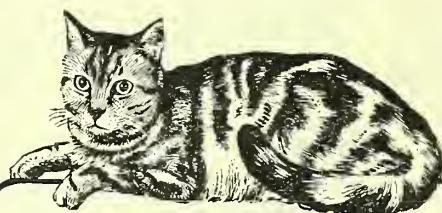
'Askit' is Scotland's leading Proprietary Medicine for the safe, speedy relief of Headaches, Neuritis, Rheumatic and Nerve Pains.

*Manufactured by*

**ASKIT LTD : MANUFACTURING CHEMISTS : GLASGOW N**

*and stocked by*

**ALL LEADING WHOLESALE HOUSES THROUGHOUT BRITAIN**



MAKE SURE OF TOMORROW'S  
PROFITS TODAY BY STOCKING—

# WILES

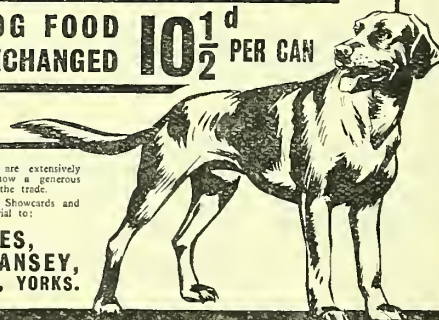
## CAT AND DOG FOODS

CAT FOOD **9<sup>d</sup>** PER CAN  
NOW ONLY

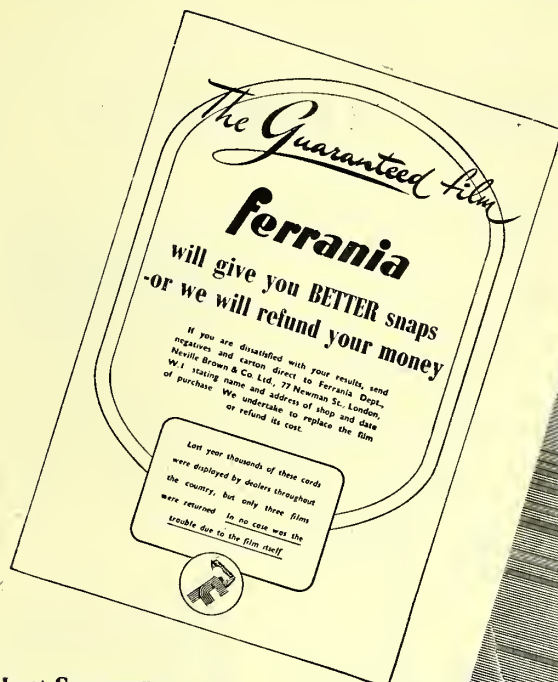
DOG FOOD **10<sup>1</sup>/<sub>2</sub><sup>d</sup>** PER CAN  
UNCHANGED

Both these lines are extensively advertised and show a generous profit margin to the trade. Write for terms, Showcards and Advertising Material to:

**WILES,  
WOODMANSEY,  
BEVERLEY, YORKS.**







# ferrania

Last Summer, we broke new ground by definitely guaranteeing every Ferrania film. Thousands of showcards were displayed by dealers throughout the season yet only 3 films were returned. These were gladly replaced, even though no faults were found in the film itself. This year a new and more attractive colour showcard is available.

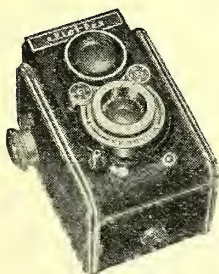


IN this Coronation year, more photographs will be taken than ever before. To capture an even greater share of the market, we are advertising Ferrania film in the photographic press, and in the "Personal" columns of more than fifty National Newspapers, magazines and "hobby" publications with a combined readership of many millions.

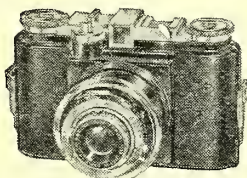
Tie up with this bigger-than-ever campaign by window and counter display: we will send you a wide range of colourful sales aids in any reasonable quantity. These include dummy cartons from actual size, up to 20"; cut-out Ferrania figures in 5 sizes; showcards; photogravure folders; stickers and posters; poster stamps; technical data leaflets.

You can do big business with the only **guaranteed** film.

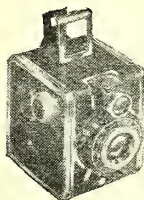
## ● FERRANIA QUALITY CAMERAS



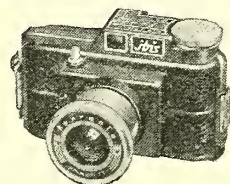
ELIOFLEX  
£11 - 18 - 6



ASTOR £29 - 17 - 6



RONDINE £5 - 8 - 8



IBIS £3 - 15 - 0

# NEVILLE BROWN & COMPANY LTD

77 NEWMAN STREET • LONDON • W.1.

Telephone: LAngham 7161 (10 lines)

# *Freflo* FEEDING BOTTLE

*offers the following advantages:—*



- |  |  |
|--|--|
| 1 Breathes as it feeds.  | 2 Milk flows unimpeded.                            |
| 3 Wide mouth for filling.  | 4 Teat securely held non-slip                      |
| 5 Hermetical sealing filled or empty.                                    | 6 Teat reverses and keeps sterile when not in use. |
| 7 Feeds for 24 hours can be prepared, stored safely, used when required. |  |

## LEWIS WOOLF LTD.

144 OAKFIELD ROAD, SELLY OAK, BIRMINGHAM, 29

# CARNATION CORN CAPS



Steadily increasing sales arise from recommendations by satisfied users backed by constant national advertising.

RETAIL — 1/1 BOX (INCLUDING TAX)

TRADE — 7/6 DOZ. (PLUS 1/10½ P T)

## DISCOUNT

£5 order less 2½%      £10 order less 5%

These discounts apply to purchases of all our plasters.

## AN OUTSTANDING BEST SELLER

A PRODUCT OF

*Cuxson Gerrard & Co. Ltd.*

OLDBURY BIRMINGHAM



# These CALMIC preparations are available from your wholesaler

## TABNET

DIIHYDROXY  
ALUMINIUM AMINOACETATE.

Medical Management of Gastro-Duodenal Ulceration.

Packs: Bottles of 100 tablets—84/- (doz.);  
Bottles of 1,000 tablets—62/- (each).

*Formula: Each tablet contains:—Dihydroxy aluminium aminoacetate 250 mgms.; Glycine 30 mgms.*

## ELIXIR CEREVON

Hæmatinic Compound.

Packs: Bottles of 4 fl. ozs.—5/-; 20 fl. ozs.—24/-; 40 fl. ozs.—46/-; 80 fl. ozs.—90/-.

*Formula: Each teaspoonful contains: Ferrous Gluconate 0.3 gm.; Aneurin. Hydrochlor. 1 mgm.; Riboflavin 1 mgm.; Nicotinamid. 10 mgm. With trace elements of Copper and Manganese.*

## HYPON TABLETS

Analgesic and Antipyretic Tablets.

Tax free Dispensing Packs: 600—34/11;  
1,000—58/3.

*Formula: Acid Acetylsalicyl. 40.22%; Phenacet. 48.00%; Caffein 2.00%; Codein. Phosph. B.P. 0.99%; Phenolphthal. 1.04%; Excip. 7.75%: (each tablet 8 grains).*

## DRAPOLENE CREAM

For Urinary Ammonia Dermatitis.

Available in: 2-oz. jars (36/- doz.) and 4-lb. Dispensing jars (16/- lb.).

*Formula: Benzalkonium Chloride 0.01% in a water miscible base.*

## CIMLAC GAUZE

Compound Aminacrine Tulle Medicated Wound Dressing.

Packs: Carton containing 10 pieces  $3\frac{1}{2}'' \times 3\frac{1}{2}''$   
Each piece separately heat-sealed and enveloped, with printed instructions for use,  $3/4$ . Aluminium box containing 24 pieces  $3\frac{1}{2}'' \times 3\frac{1}{2}''$ , 6/6.

*Formula: Aminacrine Hydrochlor. 0.1%; Hexyl-resorcinol. 0.1%: in a sterilized glyco-gelatin base.*

## CALPED FUNGICIDE

Antipruritic Fungicide.

Packs: Cream—2-oz. jars (36/- doz.).

Powder—4-oz. Polythene containers (28/- doz.).

*Formula: Cream:—Parachlorophenylether 0.5%; Phenylmercuric Nitrate 0.004%; Acid Salicylic 0.01%: in a Bentonite Cream base.*

*Powder: Parachlorophenylether 1%; Phenylmercuric Nitrate 0.002%: in a Talc. and Amylum Powder base.*

# CALMIC LIMITED

*These CALMIC preparations can be prescribed on form E.C.10*

CALMIC LIMITED · CREWE HALL · CREWE · Tel · 3251-5

# The shaving brush with the TWO YEAR guarantee ....

We cordially invite you, when in London, to visit our new showrooms at:—

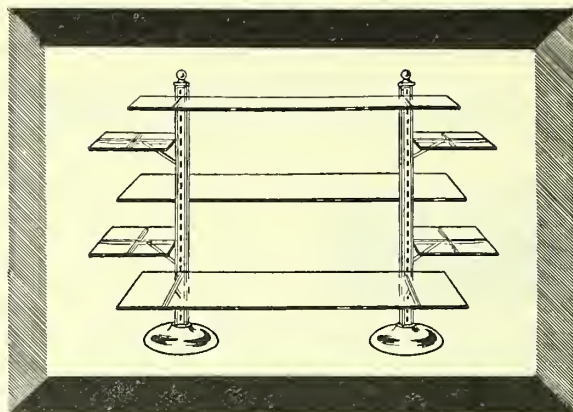
92 Regent Street, London, W.1

(one minute from Piccadilly Circus)  
and see our range of 250 Pure Bristle and Pure Badger Shaving Brushes to suit all markets



Write for illustrated brochures and price lists

**THE PROGRESS SHAVING BRUSH CO. LTD.**  
Mottam St., Stockport, Eng. 92 Regent St., London, W.1



## HOKON DISPLAY UNIT

With this Hokon display unit you can have a new, striking display every day if you wish. It takes only a matter of minutes to adjust and re-arrange, and yet each new presentation of your stock will capture more customers' attention and interest. Ideal for both window and interior display.

Display Unit (Figure 24, as illustrated) 3ft. high, with brackets. Self-locking, instantly adjustable.

In Brown Bronze £12.17.0 In Chrome-like finish £14.7.0  
Prices include Glass.

**CHURCH & CO. (FITTERS) LTD**  
16 The Oracle, Minster Street, Reading

## STOPS SCURF



Trade  
**20/-**  
dozen  
Tax 25%

Retail  
**3/4**  
P.A.T.A.



**Page-Barkers**  
**SCURF AND DANDRUFF LOTION**

**THOS. CHRISTY & CO., LTD.** NORTH LANE ALDERSHOT HANTS

### "The pack that sells itself!"

"Serve yourself" wire display stand **FREE**



Waterproof: 4/3 doz. trade. 6d. retail  
Elastic: 6/3 doz. trade. 9d. retail  
Also 1 yd. lengths in dispenser packs.  
Manufactured by **HINDERS LTD.**, 174/192 Estcourt Road, S.W. 6

### C. & D. REFRESHER COURSE for Pharmacists

up to the minute information—compiled by a team of experts—Reprinted from "The Chemist & Druggist"

**WIDE SELECTION OF TECHNICAL SUBJECTS FULLY COVERED**

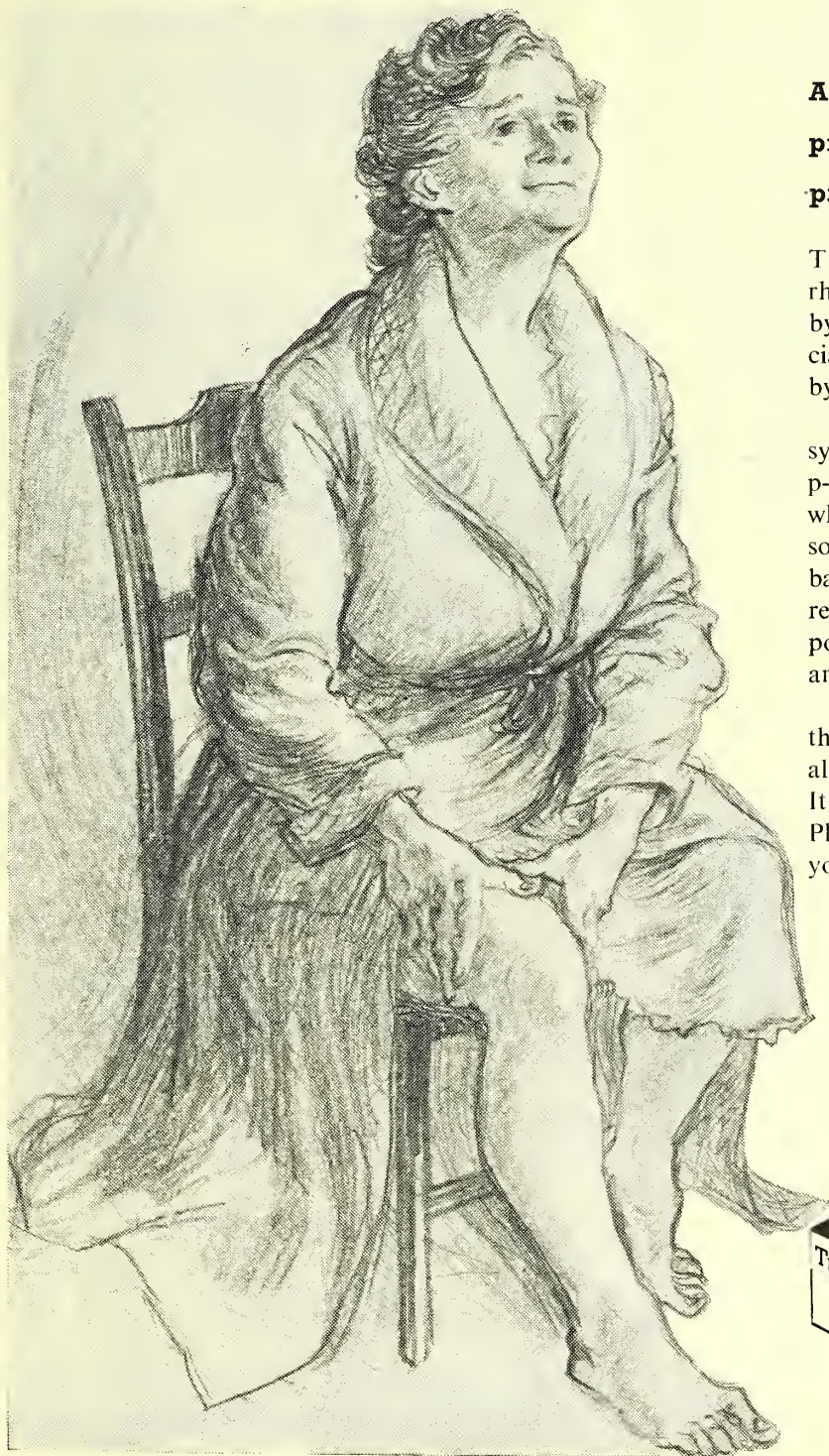
PRICE **3/-** Postage 2d.

Send remittance with order to—

The Publisher **The CHEMIST & DRUGGIST**  
28 ESSEX STREET · STRAND · LONDON, W.C.2.



# A new and logical therapy for Rheumatic conditions



**Advertised to the medical  
profession — in demand for  
prescription**

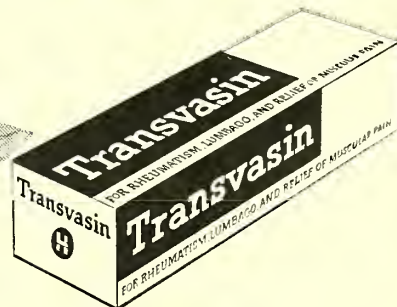
TRANSVASIN, a new treatment for rheumatism that has been developed by Hamol S. A., our Swiss associates, is now being manufactured by us in this country.

Its main constituents are newly-synthesized derivatives of salicylic, p-aminobenzoic, and nicotinic acid, which, being both water- and fat-soluble, readily pass through the skin barrier in therapeutic quantities and reach the seat of the trouble. It possesses properties that are unique among preparations of its kind.

Transvasin is being publicized to the medical profession, which is already beginning to prescribe it. It is available in tubes at 4/- retail. Please order your stocks through your wholesaler, or direct from us.

## FORMULA

Salicylic acid tetrahydrofurfuryl-ester 14%  
Nicotinic acid ethyl-ester 2%  
Nicotinic acid n-hexyl-ester 2%  
p-Aminobenzoic acid ethyl-ester 2%  
Water-miscible cream base ad 100%



## TRADE TERMS

30/- per dozen plus P.T. 7/6 per dozen.  
Prescribable on form E.C.10

LLOYD-HAMOL LTD., 3 ST. JAMES'S SQUARE, LONDON, S.W.1.



# EDME "Autumn Sun"

EXTRACT OF MALT  
WITH COD LIVER OIL (B.P.)  
WITH FLAVOURING

**THE CHOICE OF THE FIRST CLASS CHEMIST**

Prices  
on  
request  
P.A.T.A.  
list

## EDME LIMITED


IMPERIAL HOUSE, 84-86 REGENT STREET, LONDON, W.1  
Phone: Regent 5563-4 Grams: Edme, Piccy, London. Works: Mistley, Essex

Window  
and  
Counter  
Displays  
FREE

3 MACHINES  
IN ONE ANALYSES  
ADDS & LISTS

# REGNA

the CASH REGISTER  
to RECKON WITH  
from £90 H.P. TERMS



THE REGNA CASH REGISTER CO.  
Proprietors: The Joeli Safe Co. (London) Limited  
Telephone: TRAFalgar 3718  
7 York Place, Adelphi, London, W.C.2

# FENOLIN

P.A.T.A. FLUID

for WHOOPING COUGH  
for use with ELDON VAPORISERS

**HALL FORSTER & CO. LTD.**  
NEWCASTLE UPON TYNE

# GALLIC ACID PYROGALLIC ACID

(RESUBLIMED, PURE CRYSTAL AND TECHNICAL)

**AND DERIVATIVES**

WHOLESALE AND EXPORT ONLY

**J. L. ROSE, LIMITED, ABBEY ROAD, BARKING, ESSEX**



# DIXOR

## BEAUTY PREPARATIONS

**BUDGET 1953**

### REVISED RETAIL PRICES

#### ★ VELOUTY de DIXOR

THE ORIGINAL COMBINED  
POWDER CREAM

	TRADE TAX EXTRA	RETAIL INC. TAX
No. 2 TUBE	6/- doz.	1/2 each
No. 3 TUBE	9/6 „	1/10 „
JAR	13/2 „	2/6 „

IN FIVE SHADES

IVORY · NATURAL · PEACH · OCHRE · SUNGOLD

★ VELOUTY		
FOUNDATION CREAM	7/2 doz.	1/4 each
VELOUTY		
SKIN FOOD	7/2 „	1/4 „
VELOUTY		
CLEANSING CREAM	7/2 „	1/4 „

# DIXOR LTD.

ST. LEONARD'S WORKS, MORTLAKE, S.W.14

THE *Spray* WAY Pays!



Spray your own pharmacy with ZOFLORA. Your customers will appreciate the fresh, fragrant atmosphere and will wish to try it at home.

IT'S SO EASY TO CREATE  
INTEREST IN

# Zoflora

Perfumed DISINFECTANT

From 2/6 per bottle.

Junior Spray  
outfit 6/-

Complete Spraying  
Outfit 12/6 & 30/-

THORNTON & ROSS  
LIMITED  
LINTHWAITE LABORATORIES  
HUDDERSFIELD ENGLAND



You can  
always rely on—  
**"RELIANCE"**  
**SPONGES**



Only the best of Natural Sea Sponges are good enough to carry the name "RELIANCE." Our widespread organisations are the largest bulk buyers of sponges. Our ware-

houses are based on the Greek Island of Aegina in the centre of the Mediterranean fishing industry.

Attractive display materials and interesting literature are at your disposal. Your enquiries will receive our expert attention and a representative will gladly call on request.

## CRESSWELL BROS. SPONGES

(World Natural Sponge Suppliers Ltd.)

**LARGEST PROCESSORS AND STOCKISTS  
OF NATURAL SEA SPONGES IN THE WORLD**

International Building, Buck Street, Camden Town,  
London, N.W.1

Phone : GULliver 5462/3. Telegrams : Sponge, Norwest, London

**Sumner's** OF LIVERPOOL & CARDIFF  
offer a quick, economical  
and comprehensive service for  
**DRUGS · GALENICALS · DRESSINGS  
INSTRUMENTS · PROPRIETARIES**  
**R. Sumner & Co. Ltd.**  
HANOVER ST. LIVERPOOL · FITZALAN RD. CARDIFF

5164

**EPHEDRINE HYDROCHLORIDE BP.  
GLYCINE PURE  
D-L METHIONINE PURE  
CALCIUM GLUCONATE**  
Granular or Powder BP.

**FERRO METAL & CHEMICAL CORP. LTD.**  
VICTORIA HOUSE,  
VERNON PLACE, SOUTHAMPTON ROW, LONDON, W.C.1  
Telephone : CHAncery 6961 (3 lines)

And at  
NEW YORK, STOCKHOLM, BERLIN, PARIS

**FERRIS & COMPANY, LTD.**  
BRISTOL  
**MANUFACTURING AND  
WHOLESALE CHEMISTS**

The House in the West for all Chemists' Supplies. Send us your orders for prompt and careful attention.

**REGULAR ROAD DELIVERIES**  
in the West of England and S. Wales areas.

Telephone : BRISTOL 21381

Telegrams : FERRIS BRISTOL



Display packs  
and showcards available

All year round  
universal market

Attractive  
lemon flavour

Good  
profit margin

# OWBRIDGE'S

**RAPID ACTION**

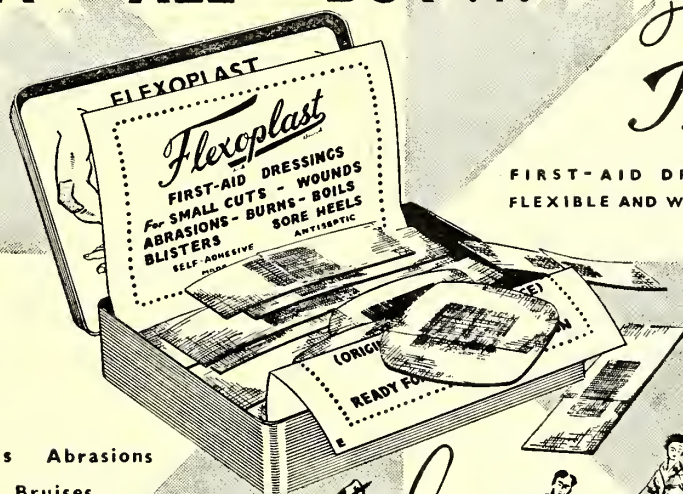
# ASPIRIN

**SOLUBLE  
AND  
PALATABLE**

**TERMS ON REQUEST**

W. T. OWBRIDGE LIMITED • OSBORNE STREET • HULL

**THEY ALL BUY ...**



*Flexoplast*  
REGD BRAND

FIRST-AID DRESSINGS  
FLEXIBLE AND WATERPROOF

For Cuts    Abrasions  
Burns    Bruises  
Small Wounds  
Sore Heels



Obtainable from all wholesalers.

A PRODUCT OF EDWARD TAYLOR LTD.    MONTON    LANC'S



## VEGETO-POLYHORMONIC HYPOTENSOR

**Detensyl**

Of established therapeutic value

The M.B.L. preparation DETENSYL has established therapeutic value in conditions requiring the lowering of arterial tension. In many indications associated with blood pressure, regular administration, as prescribed, restores normality. Subsequently a small, periodic dosage is recommended for maintenance. DETENSYL is prepared, in the form of tablets, from mistletoe, liver, pancreas and lung substances. It is more than a palliative because it re-educates the endocrine glands, allowing them to resume their regulation of the arterial tension. Although mistletoe, the chief constituent, is itself a proved hypotensor, without the supplementary elements its action would be neither so rapid nor so prolonged.

**Indications**

Conditions frequently associated with blood pressure, such as **Menopausal Disturbances, Arteriosclerosis, Sclerosis of the Kidneys, Persistent Cephalalgia, Arthritis and Auditory and Ocular Troubles,** respond to DETENSYL therapy and almost inevitably disappear with the lowering of arterial tension.

**MBL****MEDICO-BIOLOGICAL LABORATORIES LTD**  
CARGREEN ROAD, SOUTH NORWOOD, LONDON, S.E.25



# *The* 'AGLA' POCKET ATOMISER

**LIGHT****EFFICIENT****COMPACT****ROBUST****POCKET SIZE**

Unique in design, the 'Agla' Pocket Atomiser meets a long-felt need. It can be carried as a constant companion in the patient's handbag or pocket, ready for immediate use at any time. There are no loose parts to "fit together." The all-glass solution-container is cushioned with thick rubber, so no protective case is required.

The Atomiser is efficient, easy to use and to clean. It is suitable for aqueous or oily solutions, distributing the liquid as a fine even spray. Fuller particulars of the 'Agla' Pocket Atomiser which costs 10/6 tax free (subject to usual discount) will gladly be supplied on request.



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*She will say*

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Southalls Travla is the popular Southalls Compressed All-wool Santowel with a new name, improved quality and softness and a new pack. Women will like the discreet pale grey of this pack and its small size (2 $\frac{3}{4}$ " long, 1 $\frac{3}{4}$ " wide, 1" deep), ideal for handbag, evening bag or pocket. Southalls Travla is announced in the Daily Mirror, Woman and Woman's Own which appeal to millions of readers. Order from your wholesaler without delay, or, when our representative calls, let her send your order in.

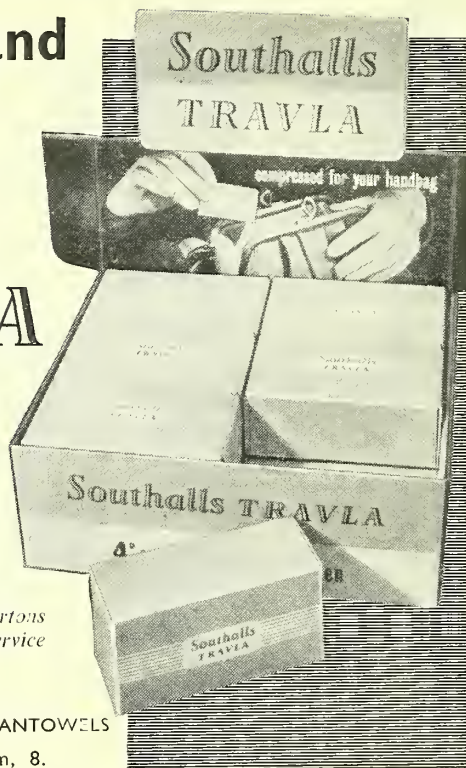
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made by the makers of  
'ORIGINAL', 'SOLUBLE' and 'K' SANTOWELS

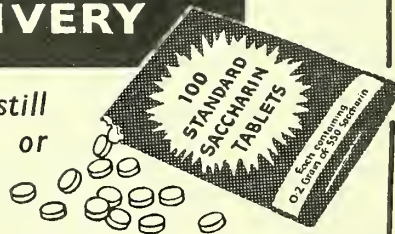
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**We specialise in  
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tablets**

**PACKED OR IN BULK  
BEST PRICES  
FINEST QUALITY  
PROMPT DELIVERY**

also SACCHARIN TABLETS—still  
the lowest price for large or  
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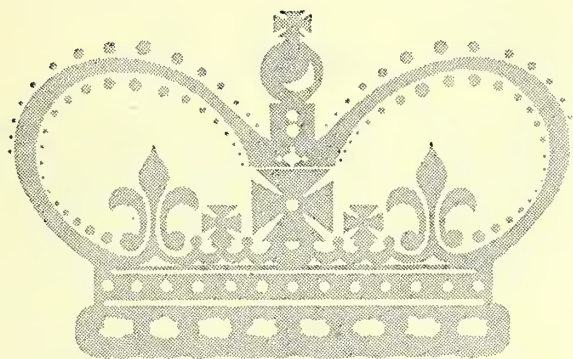
*The*

**WALLIS LABORATORY LIMITED**

58 KING GEORGE'S AVENUE, WATFORD, HERTS.

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*During Six  
Reigns*

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# THE CHEMIST AND DRUGGIST

ESTABLISHED 1859

The weekly newspaper for pharmacy and all sections of the drug, pharmaceutical and fine chemical, cosmetic, and allied industries

*Official organ of the Pharmaceutical Society of Ireland  
and the Pharmaceutical Society of Northern Ireland*

Volume 159

June 20, 1953

No. 3826

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only 2/- each  
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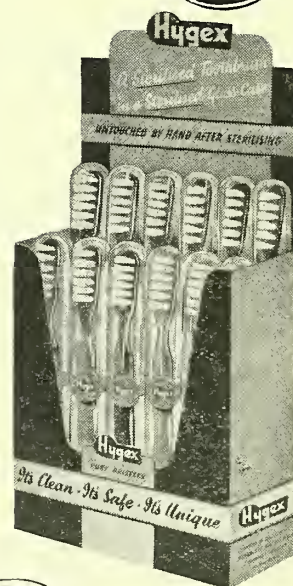
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### THIS COUPON IS WORTH 28/-

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# The CHEMIST AND DRUGGIST

Volume 159

JUNE 20, 1953

No. 3826

## Minister Appeals to Doctors

### "STORM OF PAMPHLETS" CRITICISED

ADDRESSING a local representatives' meeting of the British Medical Association in London on June 17, the Minister of Health (Mr. Iain Macleod) appealed to doctors to ponder on the rising cost of drugs under the National Health Service and to consider, when prescribing, what and how much was clinically justified.

He suggested that doctors might welcome a lessening of the "storm of pamphlets" sent out by manufacturers.

The Minister gave the main reasons for the increase in the drug bill as the increase in numbers of prescriptions and the rise in average cost. The use of proprietaries contributed to the second cause. Proprietary tablets of aspirin, phenacetin and codeine cost about 6s. for fifty whereas the official equivalent cost 2s. 11d. for fifty. Many useful preparations, however, had no official equivalents. The Minister then suggested the following ways in which doctors could help to reduce costs:— By using National Formulary preparations; consulting the lists in the N.F. which gave official equivalents of some proprietaries; making sure that there were adequate grounds for accepting the therapeutic value of a proprietary before prescribing it; resisting pressure from patients who wanted certain preparations.

To assist doctors the Ministry of Health proposed to issue a price list of N.F. preparations and of proprietaries that were frequently prescribed. The Cohen committee would shortly

have completed its initial classification of proprietaries. That would enable doctors to know what preparations were not of proved therapeutic value.

Nothing that he had said that afternoon infringed the doctor's right to prescribe.

### CENSUS OF PRODUCTION

#### Order indicates scope for 1953

AN Order indicating the scope of the census of production to be taken in 1954 for the year 1953 has been made by the Board of Trade. As announced in November 1952 (*C. & D.*, 1952, II, 618), sampling methods which were introduced for the census for 1952 for the first time will again be used. The census form will include questions on the number of working proprietors; average employment during the year of return; wages and salaries; expenditure on plant, machinery and vehicles, and also on new building work; total cost of materials and fuel purchased; total amount paid for work given out; value of stocks at the beginning and end of the year of return; total value of output; and transport payments.

The census will cover all producing industries as before and returns will be required from all firms over a certain size in each trade. A sample will be taken of the medium sized and smaller firms, however, which means that the majority will not be required to make a return.

The Order, which operates from December 31, 1953 is the Census of Production (1954) (Returns and Exempted Persons) Order, 1953. Copies of the Order may be purchased from H.M. Stationery Office, York House, Kingsway, London, W.C.2.

### FOOD ANTIOXIDANTS

#### Approved recommendations

THE Minister of Food has approved recommendations of its preservatives subcommittee that the Public Health (Preservatives in Food) Regulations should be amended to authorise the addition of propyl gallate, 0.01 per cent. or butylated hydroxyanisole, 0.02 per cent. as antioxidants to edible oils and fats (excluding butter) and to essential oils. It is proposed that the recommendations should be subject to periodic review.

### LABOUR POLICY

#### Industry and N.H.S. mentioned

A POLICY statement published by the national executive committee of the Labour Party on June 17 says that the hope for increasing Britain's export earnings lies in the expansion of industries (including the chemical industry) producing goods for which the world demand is likely to rise. A "substantial degree of public owner-

### BINDING OF VOLUMES

THE CHEMIST AND DRUGGIST has pleasure in offering a service to readers who wish to have the editorial section of their copies bound at the end of each half-year (initially announced, *C. & D.*, March 28, p. 312).

The issues will be bound, complete with index, in a good quality red cloth-covered case, blocked in gold on the spine, at an inclusive charge of £1. Readers who wish to have their copies bound are asked to send the issues (January-June) together with a remittance for £1 and the name and address to which volumes should be sent to:— Circulation Department (*C. & D.* Binding), 28 Essex Street, Strand, London, W.C.2.



**PRESIDENTIAL INVESTITURE:** The outgoing president of the Pharmaceutical Society (Mr. W. J. Tristram) (left) invests his successor (Mr. T. Heseltine) with the chain of office (see p. 659).



ship" of the chemical industry was required. The main concern was with heavy chemicals. A Labour Government would obtain from the industry itself such information as would enable it to determine the most appropriate sections to be acquired. The statement also said that more money must be spent on scientific research and on technical education (a college of technology, of status comparable with that of the universities, would be established at once) and that the next Labour Government would abolish Health Service charges and would examine the possibility of the State manufacturing some Health Service requirements including artificial limbs.

## PUBLIC PHARMACISTS

### Annual meeting

THE 30th annual meeting of the Guild of Public Pharmacists was held in Sheffield on May 30, the president (Mr. A. G. Shaw) in the chair. After the presentation and adoption of the treasurer's, registrar's and secretary's reports the meeting discussed a number of motions expressing dissatisfaction with aspects of the present salary structure; student entrants to hospital pharmacy; qualified and unqualified staff and group or area pharmaceutical committees. The council undertook to give those matters more detailed examination. The council also proposed an alteration to the rules authorising a reduced subscription for those joining for the first time on or after July 1 of any year. The results of the election for the council were announced, the following being elected as ordinary members: Miss M. C. Islip, Messrs. G. Bryan, J. E. Cocking, D. H. S. Cox, D. Currie, A. M. Mees, J. Moore, A. G. Shaw, F. J. Whelan and J. H. Wood. The district members, returned unopposed, are as follows: *Scottish*, Mr. D. W. Blackwood; *North-west*, Miss E. P. Button; *North-east*, Mr. A. N. Stephenson; *Midland*, Mr. B. H. Smith; *South-west*, Mr. E. T. Griffiths; *South-east*, Messrs. S. Powlson and D. F. Smith. The meeting concluded with thanks to the Sheffield branch for the arrangements made for holding the meeting.

### £200 N.H.S. "FINE"

#### Contractor's objections

A HULL surgical appliance manufacturing company accused of breaking advertisement regulations by inserting the words "Contractors under the National Health Service" in advertisements displayed in the city buses, was instructed to remove the words by the Hull Executive Council on June 16 and has also been told that the Minister of Health will be asked to approve the withholding of £200 from the remuneration due to the company. Mr. Kenneth Holmes, head of the company, said on June 16, that an appeal would be made to the Minister of Health against each of the decisions of the Executive Council.

Summoned to appear before the Pharmaceutical Service Committee of the Hull Executive Council on June 4, Mr. Holmes wrote to the Council:

"We have expressed grievously our objection to the manner in which this investigation is to be conducted. Our representative cannot be a member of the legal profession, although the investigation is being justified by terms of an Act of Parliament. We could not be assured that any persons asked to represent the company would be admitted for the entire proceedings or any part thereof or permitted to give evidence. The Committee empowered to make these arbitrary and even unconstitutional decisions are allowed to decide who shall attend or be excluded for any purpose relative to the inquiry at any time, and this is a procedure to which the company will not be a party."

Mr. Holmes's clash with the Pharmaceutical Committee began in 1952, when he was told that he could not use the word "contractors to the National Health Service" in advertisements, and that he must not use the phrase on his business stationery: it was a breach of the advertising regulations.

"We are not members of the Pharmaceutical Society, and we will not be a party to advertising censorship," Mr. Holmes said on June 3. "We hold contracts to supply goods under the National Health Service and to the Ministry of Pensions, and that, as far as I can see, is contracting to the National Health Service. A business house should be the best judge of its own advertising."

## BURMESE TARIFFS

### Preferential rates to end?

A REPORT from Burma states that that country is to end preferential tariff rates on goods imported from the United Kingdom, India and Pakistan on September 30. Commercial circles in Rangoon said that Burma had under consideration revised tariff rates which would be more protective in character than the existing revenue tariffs. It was thought that the termination of preferences would affect United Kingdom imports and lead to the dumping of Japanese goods.

## LOCAL NEWS

### Donation to Society's Funds

AT the annual meeting of the Portsmouth branch of the National Pharmaceutical Union in Southsea on May 19, it was unanimously decided to disburse the sum of £30 equally between the Benevolent, Widows' and Orphans' and Birdsgrove House Funds of the Pharmaceutical Society. There was a discussion on National Health Service matters and the secretary reported upon the continued success of the salvage drive and upon Proprietary Article Trade Association activities.

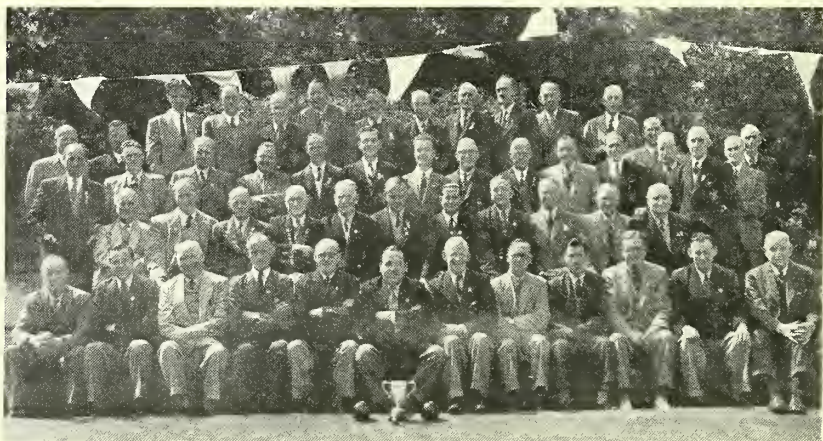
### Long Service Presentations

AT a ceremony recently held in the canteen of Bengers Laboratories, Ltd., Holmes Chapel, Ches, two of the company's employees who were retiring received awards from the managing director (Mr. B. D. Thornley) and from their colleagues in appreciation of their long service. Mr. A. H. Hardy (purchasing manager), who had served for thirty-four years, and Miss A. E. Dodge (of the clerical staff), of thirty-eight years' service, each received a chair, a wireless set and an inscribed tankard. From their colleagues on the staff they received respectively a pair of binoculars and a wristlet watch.

## IRISH NEWS

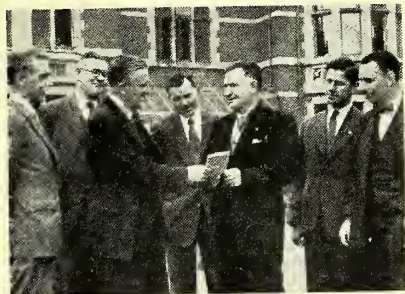
### Ulster Associates' Section

AT the June meeting of the Associates' Committee of the Ulster Chemists' Association the following applications for associateship were approved:—*Assistants*, Miss M. O'Prey, Messrs. J. A. McIlgorm, P. J. Donnelly; *Apprentices*, Messrs. T. J. Busby, T. I. Irwin, J. S. Johnston and C. E. McKee. Approval was given to a draft rule concerning honorary members to be brought before the next annual meeting of associates. It was reported that the proposed sickness and accident insurance scheme was not going forward owing to lack of sufficient interest.



ULSTER CHEMISTS' BOWLING ASSOCIATION.—Annual tournament for "J.B." cup at Belfast bowling green on May 27. Cup winner: Mr. Jack McRoberts (third from left, front); Highest score: Mr. S. McIlroy (sixth from left, third row). Second row, seated: Messrs. H. P. Crossin (a member of the Council of the Pharmaceutical Society of Northern Ireland); C. Gordon-Rattie (president, Ulster Chemists' Association); Dr. J. H. Getty; Councillor J. W. Lindsay; Messrs. H. McRoberts (vice-captain, U.C.A. bowlers); J. Caldwell (captain, U.C.A. bowlers); J. R. Stirling (president, Belfast Bowling Club); G. Hamilton; J. C. Acheson; J. A. Gorman; and J. Wellwood (committee).





**PLAYING FIELDS FOR IRISH SOCIETY:** Mr. Donal Boyd, M.A., handing over an Agreement leasing playing fields at Santry, co. Dublin, to the Pharmaceutical Society of Ireland in the grounds of the Society's headquarters at Shrewsbury Road. Left to right: Messrs. G. C. O'Neill, H. P. Corrigan (treasurer), Donal Boyd, M. Costello (vice-president), J. P. Kilsane (president), D. J. Kenneily, and J. G. Co'eman (Registrar).

### Annual Mass

THERE was a good attendance of members of the pharmacy branch of the St. Joseph's Young Priests Society at the annual Mass celebrated at the Oratory of the Dominican Fathers, Dominic Street, Dublin, on June 4 and at the communion breakfast held later in Dublin. The Rev. C. McGivern, O.P. (Chaplain to the branch) celebrated the Mass and later attended the breakfast.

## NEWS IN BRIEF

**Staff Outing.**—The joint annual staff outing of William Martindale Wholesale, Ltd., London, and Smith & Sons (Norwich), Ltd., took place on June 14, the respective parties proceeding by coach to Clacton-on-Sea, Essex.

**Pharmaceutical Stand at Derby Exhibition.**—One of the stands at a Derby Coronation Year Exhibition held in Derby, May 29 to June 13, was that of Richard Daniel & Son, Ltd., manufacturing chemists, Derby. The exhibits included an ointment mill and a tablet machine, each in operation.

**Pest Control Association Officers.**—The following officers of the Industrial Pest Control Association have been appointed recently for the year 1953-54. *President*, Mr. Duncan R. Leitch (Ratsouris, Ltd.); *Vice-president*, Mr. K. F. Goodwin-Bailey (Cooper McDougall & Robertson, Ltd.); *Treasurer*, Mr. S. F. Sprange (The London Fumigation Co., Ltd.); *Secretary*, Mr. W. A. Williams, 166, Piccadilly, London, W.1.

## SPORT

**Golf.** — **CHEMISTS' INTER-CITY GOLF**, annual inter-city golf match between Edinburgh and Glasgow chemists was held at Buchanan Castle Course. Singles, Rainy Brown medallion: Glasgow 14 games, Edinburgh 6; Fourball matches, J. F. MacFarlan Quaich: Glasgow 5½, Edinburgh 4½.

**LONDON CHEMISTS' GOLFING SOCIETY**, at Finchley Golf Club, London, N.W.7, on June 10. Medal competition for Morny prize won by Mr. J. A. Evans, 73 net. Leading scores: Messrs. J. Deas 73; R. Collings 74; A. J. Campbell 75; C. H. Maile 75; and Dr. H. Davis 75. Bogey competition for Jubilee vase won by Mr. A. J. Campbell, all square. Leading scores: Messrs. J. Deas 2; R. Collings 2; J. A. Evans 2; G. T. Morson 2; C. H. Maile 3; and H. Culmer 3.

# TOPICAL REFLECTIONS

By Xrayser

## Key Industry Duty Lists

The addition, by a single Board of Trade Order, of forty chemicals to the list of those liable to Key Industry Duty (p. 629) indicates, if I am not mistaken, regard for the effects of increasing competition from overseas. Addition of so large a number of chemicals recalls the excitement aroused when, nearly thirty-two years ago, the Safeguarding of Industries Act came into force. The first official list of substances (most of them were chemicals) chargeable with duty under the Act—or alleged to be chargeable—contained more than 6,000 items: it was printed in full in *THE CHEMIST AND DRUGGIST*, 1921.393-405. As might have been foreseen, the presence of certain names in the list gave rise to proceedings in the court of the referee appointed by the Board. In your issue of February 18, 1922, you wrote: "We understand that objections have been lodged to some 300 or more articles included in the Board of Trade's list of chemicals." For some months after that an array of learned counsel examined or cross-examined expert witnesses and others on the status of such substances as milk sugar, boric acid, and sodium hyposulphite. Your reports of those hearings extended, including the decisions, to nine, nine and a half and twelve pages respectively. Eventually, enough cases had been heard to enable the court to adjourn *sine die*. Till then, those were exciting days.

## House Journals

The award of a prize to Abbott Laboratories, Ltd., for their house journal, *What's New* (p. 631), has a twofold interest: a house organ with the same title, issued by the associated company in the United States, is one of those mentioned by name in the account of such journals on pp. 397-99 of the Kremers-Urdang History of Pharmacy. It may be worth while for someone to investigate the history of house organs in the United Kingdom and to compile a list. From the Kremers-Urdang reference to American publications coming under the general heading "House Organs" I gather that they may be divided into three main classes. Some are written for the information of house staffs; their contents range from descriptions of new products to sports news. Others include scientific notes which may be acceptable to customers of the houses issuing them. Those of the third class are commercial circulars giving descriptions of novelties. As in the case of sherry, these three types may overlap, creating others. The earliest date recorded for an American house organ is 1879, in which year Frederick Stearns & Co. started the *New Idea*. Many other manufacturing houses followed suit.

## Glastonbury Water

Dr. F. Homes Dudden's recent book (1952) on Henry Fielding contains an account of an attempt to carry on at Glastonbury, in the eighteenth century, a spa on a substantial scale. "In the autumn of 1750," Dr. Dudden writes, "an old man named Matthew Chancellor was 'miraculously' cured of an asthma which had troubled him for more than thirty years." The cure was attributed to drinking a glassful of water from the "Blood-spring" at Glastonbury on seven successive Sunday mornings. From that spring came water with a deposit resembling clots of blood—presumably a ferric oxide. The fame of Chancellor's recovery spread: in the summer of 1751 more than 10,000 people went to drink that water. The local authorities "bestirred themselves to exploit the miracle, which seemed likely to raise their little town to unprecedented prosperity." Supplies of the water were sent to London, and were there sold by the Universal Register Office (owned by Henry Fielding, his half-brother John and a few other men) at 1s. a bottle. The water was advertised for curing asthmatic and scrofulous disorders, and for promoting "great spirits and appetite." Half a pint every morning, fasting, was the dose. A pump room was opened at Glastonbury in 1753, with Chancellor as "pumper." But the number of visitors declined.



## NEW COMPANIES

P.C.=Private Companies; R.O.=Registered Office

**HOLTS CHEMISTS, LTD. (P.C.).**—Capital £3,000. To carry on the business of chemists, druggists, etc. Edward B. Holt, M.P.S., and Monica Holt, directors. R.O.: 27 Union Street, Oldham.

**RYSTAN, LTD. (P.C.).**—Capital £10,000. To carry on the business of chemists, druggists, etc. Malcolm Scott and D. D. De Carle, subscribers. First directors are to be appointed by the subscribers.

**MAXWELL IDDON, LTD. (P.C.).**—Capital £1,000. To carry on the business of wholesale or retail chemists, etc. Edna Iddon and Joseph Proctor, M.P.S., directors. R.O.: 91 Bolton Street, Chorley, Lancs.

**MALCOLM MACFARLANE, LTD. (P.C.).**—Registered in Edinburgh. Capital £5,000. To carry on the business of retail chemists and druggists, opticians, etc. Jean Macfarlane and Jane Baillie, M.P.S., directors. R.O.: 42 Castle Street, Forfar.

**ERIC HILL, LTD. (P.C.).**—Capital £2,000. To acquire the businesses of retail chemists carried on by Eric R. Hill, M.P.S., at 266 Narborough Road, Leicester, and Arnold M. Gee, Ltd., at 58b West Street, Brighton, Sussex. Eric R. Hill and Ivy Hill, directors.

**E. BLACKLEDGE, LTD. (P.C.).**—Capital £500. To acquire the business of a chemist heretofore carried on by the late Edward Blackledge at 51 Steeley Lane, Chorley. Joan Blackledge, Jack Jebb, M.P.S., and V. Thomas Berry, directors.

**STANWELL PHARMACY, LTD. (P.C.).**—Capital £100. To carry on the business of manufacturing, retail and dispensing chemists and opticians, etc. Joseph B. Pinnock and Thomas A. Tansley, directors. R.O.: 7 St. Pauls Square, Bedford.

**MORRIS & RUSSELL, LTD. (P.C.).**—Capital £2,000. To carry on the business of wholesale, retail and general chemists, etc. Samuel Morris, Henrietta Morris, Sonia L. Russell and Douglas W. Russell, directors. R.O.: 53 Rosemary Road, London, S.E.15.

**ADCOCK, CHEMIST, ALCESTER, LTD. (P.C.).**—Capital £7,000. To carry on the business of chemists and druggists at 51 High Street, Alcester, Warwicks, or elsewhere, etc. Walter J. Adcock, M.P.S., Violet E. Adcock and Marion Goward, M.P.S., directors.

**W. L. KETTLEWELL, LTD. (P.C.).**—Capital £500. To acquire the business of a chemist now carried on at 69 Fulford Road, York, as "W. L. Kettlewell." Edith J. Kettlewell and Clifford N. Henderson, M.P.S., directors.

**BONHAM & PORTER (CHEMISTS), LTD. (P.C.).**—Capital £3,000. To carry on the business of wholesale and retail chemists and druggists, etc. Edward Bonham, Hazel D. Bonham, and Gordon S. Porter, Ph.C., directors. R.O.: 36 Dennis Road, Coventry.

**COLPHA, LTD. (P.C.).**—Capital £500. To carry on the business of consultants and technical advisers in con-

nection with the manufacture of pharmaceutical preparations, etc. William C. Smith and Russell H. Heatley, directors. R.O.: 92 New Cavendish Street, London, W.1.

### Company News

**BOVRIL, LTD.**—Group net profit for 1952 was £318,762 against £377,947 in the previous year. Deferred dividend is maintained at 12½ per cent., less tax.

**COLEMAN & CO., LTD.**—Consolidated net profit for year ended March 31 is estimated before tax at £36,048 (against £90,777 in the previous year). A final dividend of 7½ per cent.,

making 11½ per cent. for the year (13½ per cent.) is recommended.

**"SANITAS" TRUST LTD.**—A final dividend for year ended March 31 of 7½ per cent. is recommended, making 10 per cent. for the year (same as in previous year), plus Coronation bonus of 5 per cent. (nil). Group net profit was £165,285 (£155,582) after tax, £210,964 (£239,876).

### BUSINESS CHANGES

A. G. HERSOM, supplier of essential oils, crude drugs, etc., has removed to 119 Richmond Road, Kingston-on-Thames.

**COURTIN & WARNER, LTD.**, Lewes, Sussex, have appointed Mr. C. W. Brown a director's assistant, chiefly in connection with home trade.

## THE WEEK IN PARLIAMENT

By a Member of the Press Gallery, House of Commons

THE SECRETARY OF STATE FOR SCOTLAND (Mr. J. Stuart) told MR. G. M. THOMSON on June 9 that an experienced officer of the Department of Health for Scotland was being specially appointed to the secretariat of the Guillebaud Committee on the Health Service to assist on Scottish matters.

He told MR. H. S. J. HUGHES that it was for the committee to decide the nature and scope of its review of the National Health Service in Scotland. The committee had invited memoranda from Scottish bodies and intended to hear oral evidence so that it would become fully aware of Scottish needs and circumstances.

### B.C.G. Tests

MR. P. F. REMNANT asked the Secretary of State for War (Mr. A. H. Head) on June 9 what tests with B.C.G. vaccine were being carried out by the Army medical services and when he expected them to be completed. MR. HEAD said that the vaccine was not under test, but was already in use by the Army. Members of the Royal Army Medical Corps and of Queen Alexandra's Royal Army Nursing Corps who appeared to be susceptible to tuberculosis were offered that form of vaccination and might not be employed in a tuberculosis ward or laboratory unless, following the treatment, a further test gave a satisfactory reaction.

### Purchase Tax

In a debate on the committee stage of the Finance Bill on June 10 MR. R. A. BUTLER (Chancellor of the Exchequer) said that complete abolition of purchase tax would be very difficult in view of the large revenue (about £300 million) he derived from that source. On the other hand, he said, a tax of that size was not one that "we should envisage for ever." When it was said that he should have moved faster and further he must draw attention to the effect on retailer's stocks. Retailers had lost "quite sufficient" under the Budget (in an answer to a question by DR. H. M. KING earlier in the day he had estimated the total loss to traders as about £13 millions). He realised the sacrifices retailers had had

to put up with, but was afraid that anybody out to reform purchase tax had to realise that it must be done by degrees.

### Chlorophyll Claims

MR. G. DARLING asked the Minister of Health on June 11 if he was aware of an investigation now being made by the United States Federal Trade Commission into the claims of manufacturers of chlorophyll products and if he would arrange for a similar official inquiry to be held in Britain.

MISS M. P. HORNSBY-SMITH (Parliamentary Secretary, Ministry of Health) replied that she was afraid the details MR. Darling had forwarded to her did not indicate the precise nature of the inquiry, and it was not possible to say whether anything similar would be appropriate or of value in Great Britain.

### Drug Tariff

In the House of Lords on June 9 LORD SALTOUN asked the Government whether any progress had been made in talks on the Drug Tariff which were stated to be taking place, and if they had anything to report. LORD ONSLOW replied that the arrangements had been completed and chemists' representatives were advised in March. The effect was that from April 1 payment was being made for certain borderline items which just failed to meet Tariff requirements. The arrangements would ensure that most reasonable items were covered. The Minister of Health was proposing to draw doctor's attention to the new provisions and to ask them to prescribe accordingly. LORD SALTOUN said he knew that the "national pharmacists' union" were happy with the results. He would like to ask the Government to bear in mind that new products were always being developed and that the chemists were perhaps not very well placed for their own defence; and to consider whether the conversations now ended might not be renewed, as circumstances demanded. LORD ONSLOW said he was certain that the Minister would like to carry on that policy, and he would draw his attention to Lord Saltoun's remarks.



## MARRIAGES

**DIGAN—SULLIVAN.**—At St. Fin-tan's Church, Sutton, co. Dublin, Eire, recently, Aloysius Edward Digan, M.P.S.I., 11 Howth Road, Sutton, to Catherine Sullivan, Strand Lodge, Howth, co. Dublin.

**Golden Wedding.** — **LENNOX-ELLIOTT.** At Edinburgh on June 12, 1903, James Lennox, M.P.S., to Mary Elliott. Present address:—80 Queen Margaret Drive, Glasgow, N.W., Lanarks.

## DEATHS

**COX.**—Recently, Mr. William Oswald Cox, M.P.S., Weald House, Green Hill, High Wycombe, Bucks, aged fifty-seven.

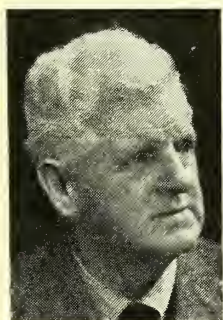
**DARLING.**—On June 1, Mr. George William Darling, M.P.S., 26 Craneswater Avenue, Southsea, aged eighty-two. Mr. Darling maintained an interest in a business at 81 Stoke Road, Gosport, Hants, until the last.

**FAIRBAIRN.**—On June 3, Mr. James Hume Fairbairn, M.P.S., 84-86 St. John's Road, Corstorphine, Edinburgh, 12, aged seventy-nine.

**MOORHOUSE.**—On June 5, Mr. Malcolm Moorhouse, M.P.S., 64 Templenewsam Road, Halton, Leeds, aged forty-eight.

**SANDERSON.**—Recently, Mr. Edward Sanderson, M.P.S., 37 Seagry Road, Wanstead, London, E.11, aged seventy.

**WHATMOUGH.**—At his home 29 Grosvenor Gardens, London, N.W.11



on June 14 suddenly Mr. Wilfred Ambrose Whatmough, B.Sc., Ph.C., F.R.I.C. Mr. Whatmough was on the editorial staff of THE CHEMIST AND DRUGGIST 1908-14 and retained a close connection with the paper until his death.

A man of many parts he had an encyclopædic knowledge of Poisons Law in Great Britain and only recently had completed the CHEMIST AND DRUGGIST Poisons Guide, Volumes 1 and 2. In the 1920's he was considered to be the foremost British authority on petrol engine design. He served his apprenticeship with Mr. Edward Mackay, Bradford, and, after study at Muter's (South London) School of Pharmacy, qualified as a chemist and druggist in April, 1903 and as a pharmaceutical chemist in July, 1903. After qualification he joined the teaching staff of Muter's and in October 1904 he received from the hands of the then president of the Pharmaceutical Society (Mr. R. A. Robinson) the Society's Pereira Medal. About that time he also lectured at day classes at King's College, London, W.C.2, and later was laboratory manager with Harkness, Beaumont & Co., manufacturing chemists, Edinburgh.

After leaving the staff of the CHEMIST AND DRUGGIST Mr. Whatmough developed his interest in engineering. In June 26, 1929 he attended by invitation a meeting of the Society of Automotive Engineers at Saranac Lake, New York, U.S.A., and read a paper on "Combustion Chamber Design in Theory and Practice." The paper was afterwards reprinted in pamphlet form and Mr. Whatmough received a letter of appreciation from two committees of the Society for his work. Mr. Whatmough gained the associateship of the Royal Institute of Chemistry in food and drug analysis and in biological chemistry and subsequently gained the fellowship. A number of his articles on subjects including shop windows and botany printed in THE CHEMIST AND DRUGGIST while he was on the staff were later published in booklet form. He contributed papers to the British Pharmaceutical Conference. In non-professional life Mr. Whatmough was a keen gardener. The cremation was held privately at Golders Green Crematorium, London, N.W.11 on June 16, and was attended only by Mrs. Whatmough, his second wife, whom he had married in 1947.

*The Editor writes.*—Robust independence and a "second nature" of looking ahead and assessing the eventual effect of a new scientific development or legislative change made W. A. W. an invaluable editorial consultant and contributor. He used sometimes to claim that he was twenty years ahead of his time and it was possibly some chafing at non-acceptance of an ingenious suggestion that led him to leave the editorial staff of the C. & D. many years ago and embark on a new and entirely different career outside. He had already written "Botany Without Tears" and—always true to his first love of pharmacy—he was often heard to say that his most prudent step as a young man was to take out a life membership of the Pharmaceutical Society. In that he was more than a shrewd Yorkshireman. He wanted to be free to follow his ideas wherever they led, and in fact they led him through many ups and downs of fortune. In the 1914-18 war he was engaged upon the large-scale production of codeine ampoules for the troops. At a later stage he made a special study of organic solvents and combustible fluids that brought him into partnership with a designer of automobile engines. The two in partnership conducted researches that led to some revolutionary changes in the design of cylinders so as to give maximum power for fuel exploded. At that time he was a regular contributor on fuels to the automobile Press. Lack of capital and the coming of the 1939-45 war prevented the full exploitation of those ideas, but the return of war found him again applying his ingenuity to the practical solution of problems of production. Yet it is in the field of poisons law that Mr. Whatmough made his most characteristic achievement. He realised from the start the implications for pharmacy of the fact that the pharmacist was in law an authorised seller of poisons. His knowledge of poisons law was intimate, profound, unbiased and unshakable.

On a number of occasions when interpretations were being put on the law that were prompted by considerations of expediency or perhaps even wishful thinking, he held firmly to the literal meaning of the regulations. Applying that method to the chemical terms used led him to insist that certain products widely regarded as exempt were in fact controlled while others clearly of a dangerous character had slipped through the net. His tenacity of view had many times the result of bringing about a modification of the regulations to put matters right. Mr. Whatmough, though not personally known to a wide circle of pharmacists, was an unseen yet doughty champion of their interests. He felt strongly, for example, that the Dangerous Drugs legislation penalised the pharmacist unwarrantably by making him the principal and virtually unrewarded and unrecognised instrument for the carrying out of international control while it failed to exercise control over illicit distribution of narcotics. His loss to the profession is severe. As a colleague he was tremendously loyal and co-operative, with the imagination to seize upon an idea and develop it. His characterful face under its picturesque white mane will be greatly missed at 28 Essex Street.

*Xtaylor writes:* Mr. Whatmough and I met several times in recent years, usually in the office of THE CHEMIST AND DRUGGIST. His was an eager, exploring mind, and it was always a pleasure to have a talk with him. Among his contributions to science I remember especially a monograph on high-density syrup read at the Brighton meeting of the British Pharmaceutical Conference in 1927, and a series of articles in your columns on the biological and biochemical preparations of the 1932 British Pharmacopoeia.

## PERSONALITIES

**MR. G. HINCHLIFFE** (a member of the Council of the Pharmaceutical Society) has been elected mayor of Dukinfield, Ches, 1953-54.

**MR. W. BROWNBILL, M.P.S.,** Accrington, has been elected to the advisory planning contracts and Parliamentary committees of the Lancashire County Council.

**MR. A. E. G. HIDE** (a representative for Raimes & Co., Ltd., wholesale druggists, York) has retired after fifty-five years' service with the company whom he joined as an apprentice in 1898. He was appointed a representative in 1926.

**MR. W. A. OGDEN, M.P.S.,** Wymondham, Norfolk, has been awarded the Coronation Medal for his work as chairman of the Coronation week committee which was responsible for the Wymondham Coronation celebrations. Mr. Ogden is also chairman of the local urban district council.

**MISS ELIZABETH GLEN DOBIE, M.P.S.** (chief pharmacist, Birkenhead General Hospital since 1930), has been elected president of the Birkenhead Soroptimist Club. Miss Dobie qualified in 1922 and was the first woman chairman of Liverpool branch of the Guild of Public Pharmacists.



# PLASTICS FOR ALL PURPOSES

## A wide variety of uses on show

THE second British Plastics exhibition and convention opened in London on June 8, mainly directed to the industry, showed items of interest to the seller and user of plastic articles. At the opening ceremony of the exhibition, MR. C. S. DINGLEY (chairman, British Plastics Federation) said that gone were the days when plastics were looked upon as substitutes. They were now materials in their own rights.

Of topical interest on the stand of BRITISH MOULDED PLASTICS, LTD., Lon-

pourers, stoppers and emptiers.—B.X. PLASTICS, LTD., London, showed PVC industrial hose for use in chemical plants, etc.—THE GREENWICH LEATHER-CLOTH CO., LTD., St. Mary Cray, Kent, exhibited their Craylene brand of PVC industrial packaging film.—BRITISH GEON, LTD., London, displayed their brand of PVC in the form of protective industrial clothing for workers in contact with acids, alkalis, oils, grease, etc., The use of unplasticised Geon PVC in the form of piping and sheet for use in chemical plants was also demonstrated by the company.

The measurement and standardisation of colour is an important aspect of the plastics industry and THE TINTOMETER, LTD., Salisbury, Wilts, showed a variety of apparatus and equipment to meet those needs.

A convention is being held in conjunction with the exhibition. Lord Halsbury (managing director of the National Research Development Corporation) gave the inaugural address on June 8.

The exhibition closed on June 18.

## PHOTOGRAPHIC NOTES

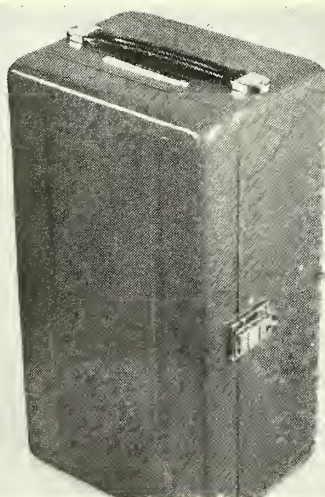
**Periscope for Photographers.** — A solidly made periscope, the Camerascope, with an attachment for all standard cameras and cine cameras having normal tripod fittings, is being distributed by Jonathan Fallowfield, Ltd., 74 Newman Street, London, W.1. The Camerascope is built with sufficient height to give a clear view over any crowd.

**Lever-wind 35-mm. Camera.** — The sole distributors for Great Britain and Ireland of a 35-mm. precision camera with automatic leverwind—the Edina—are North Staffs Photographic Services, Newcastle, Staffs. The camera has also an exposure counter showing the number of frames left to be exposed, an "automatic return" rewind button, hinged back, standard accessory shoe and other features. A year's guarantee is given with each camera, the price of which is £21 13s. 3d. The company also market a range of photographic accessories.

## New Goods

**Tumbler Glass Measures.** — Supplementing the existing range of measures for photographic solutions issued by Ilford, Ltd., Ilford, a new range of tumbler measures offers the amateur photographer the advantages of accurate measurement and graduations easily seen in the darkroom. The measures have a thick glass base and an excellent pouring lip. The 10-oz. size examined weighed 6 oz., and permitted solution to be poured into a bottle with a  $\frac{1}{2}$ -in. neck without spilling or dripping. Graduations are in fl. oz. and c.c., giving a "ready conversion table."

**Multigrade Filter Support.** — Customers who have become enthusiastic users of Multigrade papers will welcome a simple device available from Ilford, Ltd., Ilford, for holding the yellow filters between the enlarger lens and the bromide paper. The support consists of a length of heavy gauge wire, one end of it U-shaped, with sufficient width between the "legs" to clear the 2-in.-diameter filters—and the other end V-shaped and equipped with an expanding spring wire strap. The V shaped wire and the strap slip over the enlarger column and another V-shaped length of wire, which is secured to the main piece with a wing-nut, forms a diagonal brace.



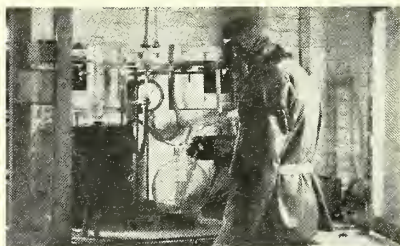
Plastic box made for the British Everest Expedition, 1953.

don, was a replica of an instrument case made of glass cloth and polyester resin for the successful Mount Everest expedition. The original box carried micro gas analysis equipment used in testing the alveolar air in the lungs of the climbers.

Exhibits included on the materials side, synthetic resins, moulding materials, plasticisers, solvents, etc., and exhibitors in that section included A. BOAKE ROBERTS & CO., LTD., THE BRITISH OXYGEN CO., LTD., IMPERIAL CHEMICAL INDUSTRIES, LTD., London; and THE GEIGY CO., LTD., Manchester. In the field of equipment, MANESTY MACHINES, LTD., Liverpool, showed among other items, a range of pre-forming and tableting machines for use in the manufacture of plastic articles.

Among plastic "end-products" shown were a new Polythene graduated beaker for domestic, laboratory and industrial uses exhibited by J. F. KENURE, LTD., Feltham, Middlesex, who also showed polythene funnels from  $1\frac{1}{2}$  to  $8\frac{1}{2}$  in. diameter.

The increasing use of polyvinylchloride (PVC) was indicated at many stands at the exhibition. The application of that material and of polythene was shown by REDIWELD, LTD., Crawley, Sussex. Among items exhibited were plastic laboratory ware including tubing, measuring cylinders, funnels, bottles, wash bottles, weighing bottles, scoops, stirrers, test-tube racks, carboy



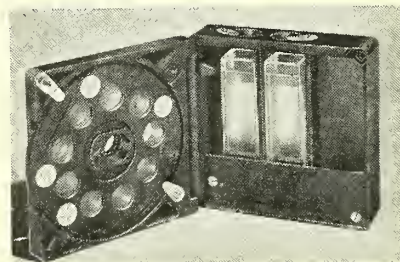
Chemical worker wearing protective Geon PVC clothing.

—Blow-extruded bottles from PVC and polythene were exhibited by LACRINOID PRODUCTS, LTD., Gidea Park, Essex, who also showed unplasticised rigid PVC tubing. — UNITED EBONITE & LORIVAL, LTD., Little Lever, Lanes, gave prominence to PVC (polyvinylchloride) tubing for the conveyance of chemicals and for the packaging of them. Among types of PVC shown were rigid and flexible varieties. The flexible type is used in the manufacture of sachets, etc., and in toilet bags and other articles.

Examples of plastics applied to plumbing in hospitals, laboratories and chemical works were demonstrated by FOLKARD-FERRY, LTD., Edgware, Middlesex. A self-starting polythene syphon for unloading carboys was also shown.

THE TELEGRAPH CONSTRUCTION AND MAINTENANCE, CO., LTD., Greenwich, showed the Telcothene brand of polythene coated papers used for the manufacture of drum liners particularly for the packing of chemical products affected by moisture and as facing papers or cap liners.

A wide range of products made by HALEX LTD., London, indicated the moulding capacity of the company.



Tintometer Comparator for all routine colorimetric analytical tests.



# PHARMACEUTICAL SOCIETY OF GREAT BRITAIN

A MEETING of the Council of the Pharmaceutical Society was held in London on June 9 and 10, the outgoing president (Mr. W. J. Tristram) in the chair at the commencement.

After the election of officers for the year (*C. & D.*, June 13, p. 630) THE PRESIDENT (Mr. T. Heseltine), in expressing the thanks of the Council to the outgoing president said that Mr. Tristram had served the Council and pharmacy well. He then presented to Mr. Tristram a replica of the presidential badge of office (picture p. 653).

THE PRESIDENT proposed and the Council agreed, that letters of congratulation should be sent to those persons connected with pharmacy who had received honours in the Coronation Honours List. He referred particularly to Sir Hugh N. Linstead and Mr. H. W. Gamble (a past-president, Pharmaceutical Society of Northern Ireland). Although the citation in regard to Sir Hugh's honour was that it was for Parliamentary and public work, those who were in pharmacy would like to feel that the valuable work which Mr. Linstead had done in pharmacy for many years had been taken into account. They were all glad that pharmacy in Northern Ireland had been honoured.

SIR HUGH, in reply, said that he had been very deeply touched by the many kind messages that he had received during the past few days. Whatever else he might be, he was, and he hoped would long remain, a pharmacist.

A communication from the Home Office acknowledged the Society's loyal address to the Queen (*C. & D.*, May 30, p. 533) which, it was stated, would be laid before Her Majesty as soon as possible after her Coronation.

A report of the business transacted at the one hundred and twelfth annual meeting was submitted. The Ethical Committee took note of the decisions relating to the Draft Revised Statement on Matters of Professional Conduct (*C. & D.*, May 23, p. 513). The draft, with adjustments, would be submitted to the Council for final approval at a later meeting. The Public Services Committee considered the decision of the annual meeting on the proposed scheme for training, examination and supervision of assistants in pharmacy, and reported that they were re-examining the whole position. The resolution of the annual meeting calling for the exchange of delegations of British pharmacists with pharmacists from other United Nations countries was referred to the Organisation Committee.

The resolutions passed at the Branch Representatives' meeting held on May 14 (*C. & D.*, May 23, p. 512) were considered and the following were the subject of decisions by the Council (on the remainder decisions were deferred):—

*Press representation:* The resolution was accepted.

*Appointment of Representatives:* The resolution does not call for comment.  
*Travelling expenses:* First-class return railway fares should be paid to all Branch Representatives, together with the cost of sleepers where reasonably incurred.

*Annual Religious Service:* The Executive Committee of the British Pharmaceutical Conference to be asked for their comments in the first instance.  
*Grant to Regional Groups:* Regional groups submitting a report of activities and statement of accounts should be paid a grant on the basis of 6d. a head for each member and student associate attached to each of the branches in the group. The formula in respect of branch grants should be applied if necessary.

The Council agreed that letters of thanks should be sent to the Ministers, Members of Parliament, and others who had co-operated in securing the passage of the Pharmacy Bill through Parliament or who had helped in its preparation.

## Franco-British Lectures

Reports were received on the third series of lectures, in Britain and France, arranged by the Franco-British Pharmaceutical Commission. At the French towns visited there were audiences of 100 to 200, and in the British towns the attendance varied between fifty and 200. All the lecturers expressed their appreciation of the hospitality extended to them and of the interest shown in the lectures. The French

team, commenting on the view everywhere expressed that such tours should be continued, if possible, at more frequent intervals, suggested that it might be wise to arrange for future lectures to be limited to two at each centre, thus giving more time for contact between the team and local pharmacists. The British team felt that the value of such tours to pharmacy in both countries fully justified both the expense and the effort involved. Special thanks were expressed for the assistance of Professor Bedel in France, and Mr. F. H. Oliver (Sunderland Technical College) in Great Britain.

The report of a meeting of the Commission held in Harrogate noted that fifty-six arrangements for exchange of visits or correspondence had been made in the eight months ending April 30, and that fifty-seven British and seventeen French requests for similar arrangements were still unfulfilled. The Commission is meeting again in Paris on October 17 and 18. MR. TRISTRAM said that the report of the Franco-British Pharmaceutical Congress held at Harrogate had not yet been received, but letters indicated that the Congress had been a great success.

A report was received on the opening of the new laboratories in Edinburgh on May 27 by Professor D. M. Dunlop (*C. & D.*, June 6, p. 589). It was agreed that a letter of appreciation should be sent to the Executive of the Scottish Department.

On the recommendation of the Education Committee the Council granted approval to the Heriot-Watt College, Edinburgh, for providing instruction for the Qualifying examination for a period of five years from July; and to the Bristol College of Technology and Plymouth Technical College for the session 1953-55.

The chairman of the Education Committee (Mr. C. W. Maplethorpe) stated that in response to advertisements of proposed refresher courses during July at the schools of pharmacy at Leicester and Sunderland only one candidate had applied. It was also reported that the Ministry of Health had not granted the Society's application for financial assistance for those wishing to attend the courses. The Committee could not ask the teachers concerned to continue preparation for the courses.

## Poisons List Proposals

The Law Committee's report stated that a letter had been received from the secretary to the Poisons Board indicating that it was proposed to add phenylbutazone (Butazolidin) and nitrogen mustards to the Poisons List and the First and Fourth Schedules to the Poisons Rules.

The Benevolent Fund and War Aid Committee's report showed that grants amounting to £238 had been made to three widows and four members. The total value of Coronation gifts made to beneficiaries was £1,017. A new label for the Benevolent Fund collecting boxes was approved. The Committee agreed that visits by branches to Birdsgrove House, apart from occasions when gifts were being formally presented, would be welcome if arrangements were made in advance with the Warden. The Committee's report recorded; a further gift of £50 from the Blackpool Branch; a gift of £52 10s. from the Southampton Branch; £50 from the Cardiff Branch; the balance of the cost of the billiard table and accessories from the Birkenhead Branch; and the offer of a further twelve hot water bottles from the president. It was noted that arrangements had been made for the opening of the bowling green, a gift from the Bolton Branch, on June 21.

On the recommendation of the Establishment Committee the Secretary and Registrar was authorised to purchase for the Society's collections a rare Lambeth polychrome heart-shaped pill slab ornamented in blue and yellow with the arms of the Apothecaries Company. The tile was inscribed with the name of the original owner, "Thomas Fautrart 1670."



# PHARMACEUTICAL SOCIETY OF IRELAND

## June Meeting of Council

A MEETING of the Council of the Pharmaceutical Society of Ireland was held in Dublin on June 9, Mr. J. P. Kissane (president) in the chair. There were present: Messrs. M. Costello (vice-president), H. P. Corrigan (treasurer), T. B. O'Sullivan, D. J. Kennelly, P. Brooke-Kelly, P. F. McGrath, M. Power, J. A. O'Rourke, P. Fullam, G. C. O'Neill, C. J. Cremen and F. J. Robinson.

### *Sports Field for Members*

MR. DONAL BOYD, M.A. (managing director, Boileau & Boyd, Ltd.), formally handed over to the president a legal agreement giving the Society the use of a five-acre field at Santry, co. Dublin, for sports purposes (picture p. 655) and thanked the Council for their welcome on his first visit to the new headquarters. He congratulated the Society "on the dignified appearance of the building and its pleasant surroundings." It was indeed a fitting home for pharmacy in the Republic of Ireland. As a member of a committee appointed to reconstruct the old premises in Lower Mount Street many years ago, he could appreciate the feelings of jubilation of those who were privileged to make use of those spacious classrooms and lecture halls. Having been a member of the Council for twelve years, Mr. Boyd said, he was familiar with students' recreational needs and understood that the lack of suitable playing fields for the Athletic Clubs was a matter for some concern. The young man who possessed a sound knowledge of physics would be all the better equipped for his career if he possessed also a sound physique. The directors of his company hoped that the plot of ground would be large enough to accommodate all the Society's athletic activities.

THE PRESIDENT, accepting the agreement, said how happy he was on behalf of the Council and himself to accept the playing ground for their students. He wished to express the gratitude of all Council members to Mr. Boyd and his fellow directors. The grounds would prove of real service, both from the health and recreational aspects, to their coming young Licentiatees.

THE REGISTRAR (Mr. J. G. Coleman) reported that apologies for inability to attend had been received from Mr. John Gleeson, and Mr. R. Daly, Cork.

Mr. Brendan R. Smith (secretary, Irish Drug Association) wrote stating that the matter of the initiation of a rota service by Dublin pharmacists was before a meeting of his committee held on June 8. The question had been under review on several previous occasions. It was considered that with the present services available from hospitals, from doctors who carry emergency requirements or from chemists who reside over their pharmacies, there were no real difficulties in obtaining urgent medicines. As only a few isolated complaints had been received from the public, the question of starting a service outside existing hours did not appear to be necessary. As a certain amount of publicity was given to the issue at the previous Council meeting (C. & D., May 23, p. 518) he requested that the Council should be informed at its next meeting of his committee's deliberations. The Council regarded the letter as satisfactory.

A further letter from Mr. Smith, on behalf of the I.D.A. Committee, stated that complaints had been received from members regarding the supply of free medicines from tuberculosis and other clinics throughout the country. The complaints suggested that many people who could pay were receiving free medicinal and drug supplies from those clinics. The I.D.A. Committee felt that the Council might be able to make representations with regard to those abuses to the appropriate authority. THE PRESIDENT said he understood the supplies referred to included streptomycin, penicillin, malt and cod-liver oil, vitamin preparations, etc.

They were not given out through the dispensaries but through county medical officers. MR. POWER said he understood that the complaint was that people who were not tuberculosis patients at all were getting those things. MR. O'ROURKE said the public were abusing the clinic facilities and many of the clinics did not seem to care. They were handing out things at practically cost price. MR. O'NEILL said he was not present at the I.D.A. Committee meeting at which the matter was considered, but he believed the position was that no matter what income group people belonged to they could get medicinal supplies free from the tuberculosis clinics. Mr. Smith could be informed of that so that I.D.A. members could be told of the position. MR. MCGRATH pointed out that where a tuberculosis patient went to a private doctor they had to pay for everything, but only when they went to one of the clinics did they get supplies free. MR. KENNELLY said mention had been made of malt and oil and other supplies being used for greyhounds. It was decided to reply to Mr. Smith indicating the present position with regard to supplies from tuberculosis clinics.

Mr. M. J. Cranley (principal, Kevin Street Institute of Science and Technology) wrote that it was proposed to terminate all classes in pharmacy, pharmaceutical chemistry and materia medica in the Institute as from the end of the 1952-53 session. He asked for the Council's comments on the proposal before a final decision was made. The Council decided the matter was not one in which they should be called upon to advise but to leave it to the Institute to make its own plans. Under the new education scheme the students would in future come to the Society's College for those subjects.

The thanks of the Council were tendered to Mr. E. W. Lane, dispensing Chemist and Druggist, for presenting a pair of scales and a set of metric weights to the Society's museum. It was decided to utilise the weights in the College of Pharmacy.

The following changes of address were notified:—

Messrs. J. P. Burke, M.P.S.I., to 15 Marlborough Street, Dublin; T. Finnegan, M.P.S.I., to 7 Farnhill Road, Roebuck, Dundrum, co. Dublin; J. M. Murray, M.P.S.I., to 13 Swords Road, Whitehall, Dublin; and D. M. Fleming, dispensing chemist and druggist, to Southern Road, Cork.

The reports of the House, Schools, and Law Committees were submitted and approved. THE REGISTRAR reported on the deaths of Michael J. O'Sullivan Kelliher, L.P.S.I., Charles Robert McMullen, L.P.S.I. (C. & D., June 6, p. 559) and Sylvester O'Farrell (C. & D., May 30, p. 537). On the motion of THE PRESIDENT, seconded by THE VICE-PRESIDENT it was decided to write the family of the late Mr. O'Farrell expressing the Council's deep sympathy on their bereavement.

THE PRESIDENT moved and the VICE-PRESIDENT seconded that the congratulations of the Council should be extended to Sir Hugh Linstead (a secretary of the Pharmaceutical Society of Great Britain) and to Mr. H. W. Gamble (immediate past-president, Pharmaceutical Society of Northern Ireland) upon the honours conferred on them in the Coronation and Birthday Honours List of Queen Elizabeth II.

### *Licence Certificates Signed*

The licence certificates of the following were signed and sealed: Messrs. Olaf G. Costello, Joseph B. Dowdall, Thomas Farmer, Francis G. Garvey, Patrick D. Gormley, Derrick C. McGrath, Misses Mary F. T. Bergin, Mary T. Cullen, Mary E. Healy, Mary P. Mahon, Kathleen T. M. Murphy, Sheila O'Keefe and Anna P. Power. The certificates of the following dispensing chemists and druggists were signed and sealed: Daniel M. Fleming, Hugh J.



Gunn, George E. A. Henry, and Patrick J. Mallon. The following were elected members of the Society: John J. Butler, Sian Chun Cheng, Dr. Henry P. Lappin, Desmond Parker, and Patrick J. Ryan. Messrs. James M. Murray, 13 Swords Road, Whitehall, Dublin; and Michael J. O'Brien, Cloyne, co. Cork, were nominated for membership.

At question time MR. O'ROURKE said he had seen references in the Press to the setting up of new health committees and would like to know if pharmacy would be represented on them. The nurses' organisation had passed a resolution asking that they should be represented. THE PRESIDENT said he had already raised the matter at the

Health Council when he stressed that it was important that compounders should be represented. They had been given a promise that the matter would be considered.

MR. BROOKE-KELLY mentioned the desirability of having post-graduate courses dealing with chemicals to be used to combat diseases in plants and also in optics. THE PRESIDENT thanked Mr. Brooke-Kelly for raising the matter and said they would consider it.

At a meeting of the Benevolent Fund Committee held following the Council meeting a motion was passed expressing thanks to the Irish Chemists' Golfing Society for their donation of £5 5s. to the Fund. A number of grants were passed for payment.

## IRISH FAIR TRADE COMMISSION

### Appointment Made by Minister

THE Irish Minister for Industry and Commerce has taken steps to put the recently passed Restrictive Trade Practices Act, 1952, into effect by appointing a three-man Fair Trade Commission under the chairmanship of Mr. J. C. B. MacCarthy (an assistant secretary, Department of Industry and Commerce). The other members are Messrs. F. V. Buckley (a former vice-chairman of the Labour Court) and J. J. Walsh (a member of the Industrial Development Authority). Under the Act the Commission shall have power to prepare rules for fair trading conditions in the supply and distribution of any kind of goods and they will keep under review the operation of those fair trading rules. The Commission may initiate an inquiry into the conditions which obtain in regard to the supply and distribution of any particular goods. Such inquiry shall be in public, but private sittings may be held, if necessary, "to avoid any disclosure of confidential information which might materially injure the legitimate business interests of any person." The Minister, under Section 9 of the Act, has power, having considered a report of the Commission, to make orders prohibiting, amongst other things, specified arrangements or agreements, the withholding from any specified class of persons of supplies of goods or services, the giving of specified preferences, the imposition of specified conditions and make provisions as he thinks necessary "to ensure the equitable treatment of all persons in regard to the supply or distribution of the goods concerned." The second Schedule to the Act defines unfair trade practices, amongst other things, as any measures, rules, agreements or acts: likely to have the effect of unreasonably limiting or restraining free and fair competition; are in unreasonable restraint of trade; have the effect of eliminating a trade competitor; unjustly enhance the price of goods; secure or are likely to secure a substantial or complete control of the supply or distribution of goods or any class of goods unfairly or contrary to the public interest; without just cause prohibit or restrict the supply of goods; impose unjust or unreasonable conditions with regard to supplies; exclude without good reason new entrants to any trade or industry; secure unjustly the territorial division of markets between particular persons; or in any other respect operate against the pub-

lic interest, or are not in accordance with the principles of social justice.

The committee of the Irish Drug Association has been watching closely the passage of this Act in the interests of its members, and has taken Counsel's opinion on various Sections, and the question of how far the powers sought are in accord with the Constitution. The I.D.A. feel that the strictly ethical and moral way in which the business of pharmacy is conducted and the basis on which it trades in the

Republic, can stand the fullest investigation by any Commission set up under the Act. If and when any matter arises that affects the retail drug trade the I.D.A. will take action to protect its members. The Irish Branch of the Photographic Dealers' Association has also been watching the new legislation and will if necessary appear before the Commission and make a case similar to that made in Great Britain by the P.D.A., to entitle them to the present trading safeguards.

## ULSTER CHEMISTS' ASSOCIATION

### June Meeting of Executive

MR. H. W. GAMBLE (chairman of the Local Pharmaceutical Committee) was warmly congratulated on his receiving the honour of O.B.E., by the president (Mr. C. L. Gordon-Rattie) and members, at the June meeting of the Executive Committee of the Ulster Chemists' Association. THE SECRETARY (Miss A. E. Strachan) reported that the veterinary sub-committee had not yet received a reply to their letter to the Ministry of Home Affairs, but that in connection with the sale of poisons from vans the Pharmaceutical Society of Northern Ireland had replied to the effect that the Society's proposals are being considered by counsel whose attention had been drawn to the urgency of an early consultation with the Ministry. Consideration was given to a report from a provincial member that some veterinary proprietaries had been supplied direct to a farmer by wholesalers. The secretary was instructed to inquire further into that matter. The possibility of a list being issued for packed goods was considered but it was agreed that no action should be taken meantime. THE PRESIDENT reported that a meeting of chemists from seaside resorts and the secretaries of local associations had been held at which there was a lively discussion on shops legislation. In consultation with the Association's solicitor a memorandum incorporating suggestions put forward for special provisions for holiday resorts during the months of June, July and August had been prepared for submission to the Select Joint Committee on the Shops Acts. A sub-committee was appointed to interview the Select Joint Committee. The Monopolies and Restrictive Practices (Inquiry and Control) Act was discussed and the Emergency Committee appointed to

examine the position further. Miss STRACHAN reported that a further donation of £10—the proceeds of a bowling tournament organised by Mr. Jack Caldwell—had been made to the Northern Ireland Chemists' Benevolent Fund. Mr. C. Boyd, 70 Ballygomartin Road, Belfast (branch) was elected to membership and a number of names previously approved by the Associates' Committee were passed for associate-ship.

## NEW DETERGENTS

### Effects on Soap Industry

SPEAKING to shareholders of Unilever, Ltd., at the annual meeting in London recently, the chairman (Sir Geoffrey Heyworth) said that the new blended synthetic detergents, which had achieved wide acceptance in North America and Europe, had created a demand for important new chemicals. The chemical industries had become potential competitors to the original soap industry, and soap manufacturers had the opportunity to extend into chemical manufacture, but synthetic detergents had made the soap industry, as a whole, more dynamic. Soaps and synthetic detergents were competing for an expanding market.

SIR GEOFFREY gave a warning on glycerin supplies should the demand for soap contract. Between 1950 and 1952, world glycerin production (excluding Russia) was reduced from about 230,000 tons to 210,000 tons, although not all that reduction could be attributed to a lower soap production. A further reduction in supply, coupled with an increase in demand, could result in a serious shortage. A new plant was established a few years ago in the United States for synthesising glycerin from a petroleum base.



## TRADE NOTES

**Liver Extracts.** — Antigen, Ltd., 5 Rampayne Street, London, S.W.1, offer liver extracts in bulk, vials or ampoules.

**Offices Closed.**—Ciba Laboratories Ltd., Horsham, Sussex, announce that their offices and laboratories will be closed on June 23 for the factory's annual staff outing.

**New Design Fly Card.**—New Walt Disney design DDT fly cards in squares and cut-out forms are available from The County Paper Mills, 72 Tottenham Court Road, London, W.1.

**Prescription Range.**—A range of pharmaceutical preparations made by Calmic, Ltd., Crewe Hall, Crewe, and available from wholesalers is given on another page.

**Sun Tan Cream.**—John Bell, Hills & Lucas, Ltd., Oxford Works, Worsley Bridge Road, London, S.E.26, offer a display bonus of thirteen to the dozen on parcels of not less than three doz. on Brontan sun-tan cream.



**Soap "Highlander."**—Thomas Reid & Sons, Ltd., Baml Soap Works, Kinning Park, Glasgow, S.1, have re-introduced the soap "Highlander" illustrated. It was first brought out for the pre-war Empire Exhibition at Glasgow, when it proved a popular success.

**Immediate Supplies.**—Immediate supplies of pentaerythritol tetranitrate Peritrate brand are offered by William R. Warner & Co., Ltd., Power Road, London, W.4, suppliers for Chilcott Laboratories, Ltd. Peritrate is supplied in bottles of fifty and 500 tablets.

**Alternative to Antihistaminics.**—Calcium-Sandoz is offered by Sandoz Products, Ltd., 134 Wigmore Street, London, W.1, as an alternative to treatment with antihistamine drugs in allergic conditions. Literature and samples are available on request to manufacturers.

**Again Available.**—Bayer Products, Ltd., Africa House, Kingsway, London, W.C.2, announce that, after being off the market for some time, Isupren tablets are, with Isupren solution 1 per cent., again available.

**Bonus Offer.**—Details of a bonus offer of Nurona suntan cream, in 4 oz. and 8 oz. sizes and sunbronze cream are given by James Woolley, Sons & Co., Ltd., Victoria Bridge, Manchester, 3, on another page.

**Vacuum Flasks.**—Vacuum flasks of various designs and capacities are offered by the ACME VACUUM FLASK CO., LTD., Phoenix Works, Bridgend, Glam.; THERMOS (1925), LTD., Seymour Road, London, E.10, and VACCO, LTD., Grosvenor Gardens House, London, S.W.1; THE BRITISH VACUUM FLASK CO., LTD., Rothermel House, Canterbury Road, London, N.W.6, give details on another page of their "family" of six Freezheat vacuum flasks.

**Trade Marks Assigned.**—Ronsheim & Moore, Grosvenor Gardens House, Grosvenor Gardens, London, S.W.1, announce that the trade marks Lanette, Lorol, Ocenol have been assigned to them by the Custodian of Enemy property, as from May 14, 1953.

**Gift Shaving Pack.**—Henderson Brothers & Co., Ltd., Pallion Estate, Sunderland, state that owing to an error, the reduced prices of their Hygex shaving gift pack were not given in their announcement in THE CHEMIST AND DRUGGIST of June 6. The retail price is 5s., trade price £1 14s. 3d. per doz.

**Foot Comfort Week.**—The Scholl Manufacturing Co., Ltd., 182 St. John Street, London, E.C.1, announce that they are organising a foot comfort week, June 29-July 4. It will be supported by 60,000,000 Press advertisements in six days. A range of the company's products is given on another page.

**Hair Hygiene.**—Hints on the use of a cushioned nylon hairbrush, and a pneumatic combing brush are given by the makers, Halex, Ltd., Highams Park, London, E.4, elsewhere in this issue. Both brushes have detachable washable pads for quick, easy cleaning. The backs are in pastel green, pink, or blue, with pearl finish.

**Sunscreen Agent.**—Commercial-scale manufacturing of the sunscreen agent iso-butyl para amino benzoate is now being undertaken by Nipa Laboratories Ltd. for whom the distributors are P. Samuelson & Co., Roman Wall House, 1 Crutched Friars, London, E.C.3. Prompt delivery can be made from stock.

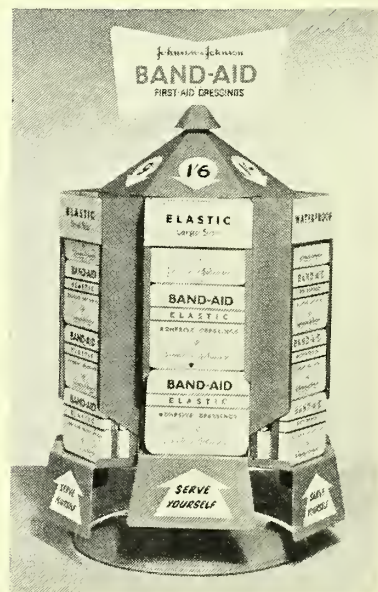
**Tube Display Competition.**—Collapsible Tube Manufacturers' Association,

47 Welbeck Street, London, W.1, are organising a display competition for a representative show of pharmaceutical products packed in collapsible tubes for which prizes of £50; £25; £10; and ten of £2 will be awarded. Details are given on another page.

**Summer Campaign.**—To tie up with a special summer advertising campaign, New Era Laboratories, Ltd., Cecil House, Holborn Viaduct, London, W.C.2, are issuing a special display piece for Elasto. It consists of a dummy carton, crown, and small metal base-plate that ensures that the display stands rigid. The display piece can be assembled in a matter of seconds.

**"History" in Advertising.**—The International Chemical Co., Ltd., Chenies Street, London, W.C.1, announce that in the issue of *Picture Post* to be on sale on June 24, there will be a one-page 3-D advertisement for Kolynos-with-chlorophyll. The company thinks that that will be the first 3-D advertisement for toothpaste in Great Britain.

**Aids to Packaging.**—ARMSTRONG CORK CO., LTD., closure division, Kingsbury, London, N.W.9, offer service in the supply of corks to dispensing chemists. BEATSON, CLARK & CO., LTD., Rotherham, Yorks, direct attention to two bottles from their range: a plastic-capped medical flat and an oval-fronted panel. Sealing tapes for hundredweight kegs or lightweight cartons are available from JOHN GOSHERON & CO., LTD., Gayford Road, London, W.12. Advice and practical assistance in packaging is offered by JOHNS, SON & WATTS, LTD., 2 Epworth Street, London, E.C.2. The packaging service of UNIVERSAL METAL PRODUCTS, LTD., Salford, 6, Lancs, gives advice on the use of tubes and plastic containers.



"DISPENSER" AND DISPLAY STAND: Johnson & Johnson (Gt. Britain), Ltd., Slough, Bucks, have had specially designed the metal "dispenser" for Band-Aid adhesive dressings shown (right). The dispenser is in pastel blue, the arrows in yellow. The stand holds both large and small size tins of elastic and waterproof first-aid dressings. It is going out to all stockists in June. The new blue three-tier plastic display stand (left) which has just been designed for Tek tooth-brushes. The stand is also going out to Tek stockists during the month.



## DEVELOPMENTS IN THE UNITED STATES

AMONG new machinery made available recently in the United States is a machine that automatically sorts out imperfectly sized tablets. It has been produced by the Arner Co., Buffalo, New York. The machine separates tablets according to width and thickness and is capable of handling  $3\frac{1}{2}$  million large tablets in eight hours. Two vertical screens eliminate over-sized tablets, and two horizontal cylindrical screens separate the under-sized and broken products. The dimensions of the machine are 6 ft. x 5 ft. x  $2\frac{1}{2}$  ft.

New apparatus marketed in the U.S. includes a vacuum gauge suitable for reading vacuums from 0.5 to  $10^{-7}$  mm. of mercury which is being produced by Distillation Products Industries division of the Eastman Kodak Co., Rochester, New York, and is known as the DPI Philips Gauge, Type PHG-09. A new infra-red spectrometer for routine single-point chemical analyses accurate to plus-or-minus 0.25 per cent., has been designed by the Perkin-Elmer Corporation, Norwalk, Connecticut. It is easily converted from one spectral region to the other.

A new fermentation process for making Compound F, a preparation related

to cortisone, has been elaborated by workers of the Upjohn Co., Kalamazoo, Michigan. Progesterone is used as the raw material. A method of counting dust particles in the air with the use of phase contrast microscopy has been developed by Bausch and Lomb Optical Co., Rochester, New York.

A new plant for the production of silicones has commenced operation at Waterford, New York. It is owned by the U.S. General Electric Co., and is to comprise equipment stated to be as complicated as any in the chemical world. Provision for the synthesis of methionine as a feed supplement for poultry and other animals, will be made in a new \$4,000,000 plant to be erected at Beaumont, Texas, by E. I. du Pont de Nemours Co.

Recent work on insecticides indicates that a new insecticide, Dilan, a mixture of two compounds derived from nitro-paraffin, will kill flies that have become resistant to DDT and other insecticides. The product is made by Commercial Solvents Corporation, New York. To study the toxic effect of pyrethrum insecticides the Gulf Oil Corporation has produced radioactive pyrethrums by growing pyrethrum flowers in an atmo-

sphere containing radioactive carbon dioxide.

The development of 6-mercapto-purine, a substance that has proved useful in the treatment of leukaemia, has been announced by the Memorial Centre for Cancer and Allied Diseases, New York, the Sloan-Kettering Institute for Cancer Research, and the Wellcome Research Laboratories. The new substance has temporarily halted the disease in a "significant number" of patients. It has proved of no use against other forms of cancer.

Additional information on the recently isolated antibiotic carbomycin (Magnamycin) was disclosed at a Los Angeles, California, meeting of the American Chemical Society's Division of Medicinal Chemistry, recently, by a team of workers from Chas. Pfizer & Co. The antibiotic is elaborated by *Streptomyces halstedii*, a soil fungus. It is a weak base, and the following formula has been tentatively assigned to it:  $C_{12}H_{17}NO_{10}$ . It appears to be particularly effective against staphylococcal infections and respiratory infections, even when the cases no longer respond to penicillin, aureomycin and terramycin.

## NEW PRODUCTS AND PACKS

**Sanitary Towels.**—Southalls (Birmingham), Ltd., Charford Mills, Saltley, Birmingham, 8, announce a new name, Travla, for their compressed all-wool sanitary towel. The product is of improved quality and softness and is supplied in a new pack of pale grey colour.

**Flavoured Tonic Stimulant.**—Evans Medical Supplies, Ltd., Speke, Liverpool, 19, have introduced, in Ebefos, a pleasantly flavoured tonic stimulant combining the properties of strychnine and caffeine with those of sodium glycerophosphate and vitamin B<sub>1</sub>. It is available in bottles of 8 fl. oz. and 2 litres.

**Sulphur Preparation.**—The Crookes Laboratories Ltd., Park Royal, London, N.W.10, have introduced Dermasulf, a stable, aqueous solution of polythionates for use in the treatment of any dermatological condition in which sulphur is of value. It is specially indicated in acne vulgaris. It is packed in bottles of 2 fl. ozs.

**New Wetting Agent.**—An improved sulphosuccinate wetting agent, Manoxol N, chemically sodium dinonyl sulphosuccinate, has been introduced by Hardman & Holden, Ltd., Manox House, Miles Platting, Manchester, 10. Manoxol N is claimed to be one of the most powerful surface-tension reducers available commercially, only 0.025 per cent. (one part in 4,000 parts) dissolved in water being sufficient to reduce the surface tension from 72 to 30 dynes/cm.

**Serum-proofed Linen Thread.**—Ethicon Suture Laboratories, Ltd., Bankhead Avenue, Edinburgh, are now

marketing in Britain Ethi-Pack, containing fifty 24-in. strands of serum-proofed linen thread, a special linen thread, gauged to U.S.P. standards, and the first of its kind produced solely for surgery. The thread is treated to reduce cellular reaction when implanted. The method of packing as fifty pre-cut strands is unique. Messrs. Ethicon have also put on the market a 100-yd. reel of Mersilk serum-proofed silk.

**Liquid Cosmetics.**—Profiting by observations of the popularity of liquid cosmetics in the United States, Goya, Ltd., 161 New Bond Street, London, W.1, have introduced a series developed and manufactured in Britain. The series comprises Beauty Cleansing Cream in 4-oz. bottle; Beauty Tonic (an astringent); and Sleeping Beauty, a liquid night cream, both also in 4-oz. bottles; and Liquid Beauty foundation in 1½-oz. bottle. A cream Rouge (light, medium and brunette) in jar tones with lipstick and foundation, and a new Goya lipstick is available in the shades mantilla, petunia, basque, Goya red, pinko, flamingo, and rosy red.

**Adhesive Duster.**—There has long been a need for a duster that would positively pick up and retain dust, a need emphasised recently by an outbreak of an infection at Leamington Warneford Hospital that was traced to ineffectual removal of dust. To meet the need, Adhesive Dusters (proprietor, K. H. Watson), St. John's Street, Kates Hill, Dudley, Worcs, have brought out a duster impregnated with a non-drying adhesive. It has no tacky surface as such, but a mass of tacky fibres. It is therefore pleasant to use, and continues to collect dust until black with-

out fear of any adhering dust being set free. The duster is intended to be used as a pad in the palm of one's hand, as there is no need to ruffle it like an ordinary duster, and a light wipe over is all that is necessary to pick up every particle. Grit and other large particles do not adhere. Used folded, it has thirty-two surfaces without counting the reverse side and every sq. in. can be used.

**Plastic Tablet Container.**—Universal Metal Products, Ltd., Langley Road, Pendleton, Salford, Lancs, have applied for patents for their new plastic container, illustrated, which is available in a variety of colours. It is designed to release one tablet at a



time, and can be operated with one hand. The cap is fixed to the body by a hinge which is an integral part of the moulding, and a plug which fits into the cylindrical body of the container forms the base of same and facilitates filling. The size at present available is suitable for a standard 5-gr. aspirin tablet. Other sizes are in course of preparation, and special sizes can be made to customers' own requirements. The material used is tasteless, odourless and chemically inert. A name or trade mark can, if necessary, be embossed on the top of the container.

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13

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 BELLASPRON (a Polish preparation)





# The CHEMIST AND DRUGGIST

For Retailer, Wholesaler and Manufacturer  
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Published weekly at  
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TELEGRAMS: "CHEMICUS ESTRAND, LONDON"

## A New Edition of "The Art of Dispensing"

THE result of a recent debate between pharmaceutical and medical students in London on the question whether the art of dispensing had been rendered obsolete by recent scientific developments was an overwhelming victory for the view that it is still very much alive. That verdict would, we think, be echoed in every pharmacy in the country. A debate whether the art had undergone any change could certainly not, however, have reached the conclusion that it has remained the same as it was. Undoubtedly some of the old skills are no longer called for, but new ones take their place. Those changes are reflected in the twelfth edition of "The Art of Dispensing," published this week.

The book has been almost completely re-written. The subject matter has been arranged alphabetically and the index correspondingly reduced. A good deal of the old edition has been deleted, and the remainder brought more into line with modern dispensing requirements. The change is well exemplified in the section of sterile preparations, which covers this wide field adequately from every dispensing angle, and which contains a short, but very clear explanation of pH and its application in dispensing sterile solutions. New chapters on iso-osmotic solutions, preservatives, antibiotics and sulphonamides are further examples of the wide scope of the new edition. There are also two excellent chapters on dispensing conveniences and apparatus for general dispensing.

On the more practical side, care has been taken to include only such examples as illustrate the basic principles laid down in each chapter and to leave out the unusual or "trick" prescription. Such examples could be very numerous and varied, but they occupy so small a place in modern practice that they do not warrant inclusion. The same might be said of homœopathic dispensing. But the brief outline given here is justified as a guide to the many dispensers who meet an occasional homœopathic prescription and not to the few whose main occupation is dispensing such prescriptions. All types of dispensed preparations have been dealt with, irrespective of the frequency with which they occur in contemporary practice.

The chapter on incompatibilities has been enlarged and is now an exhaustive survey of this troublesome field. The section on foreign prescriptions is much the same as in the previous edition. It was, perhaps, wise

to retain examples using the names of common drugs rather than to use more modern examples containing the names of foreign proprietaries, most of them unknown to British pharmacists. The Latin "dictionary" remains substantially the same—it is doubtful if it could be altered—but we think it will be found useful to have the French and German vocabularies separated. The book should be of great value to all those, whether qualified or unqualified, master or apprentice, who are concerned with the proper dispensing and presentation of prescribed medicines. The tabulated portions alone constitute a considerable volume of accurate and reliable information useful to anyone engaged in handling drugs.

## Ethics Abandoned

It will come as a shock to pharmacists that the British Medical Association, an upholder of the banning of publicity by medical practitioners, should be the agency for the publication of what must surely be the most authoritative publicity ever for a single "firm" of dispensing chemists—an article published in the June issue of the Association's public-read *Family Doctor*. The surprising nature of the article from the point of view of widely held opinion on pharmaceutical ethics relating to dispensing may be gathered from the following extracts and summaries:

"Where do all those millions of pills and potions and lotions that you dispense come from?" the author of the article (pseudonym, Harvey Graham, M.D.), asked a "polite young man" in one of the shops of a "firm of chemists to whom 33 million people all took their doctor's prescriptions last year." "'Nottingham' he said 'and of course Beeston. You can learn more in a day there about what lies behind a prescription than you would in a month anywhere else'."

The author discovered there that many of the customers of the organisation (founded, he said, by Jesse Boot eighty years ago) are doctors who want the "most curious things and odd and unusual doses of odd and unusual mixtures." The planning of that "industrial empire" is such that if "some one customer complained about a single pill or tablet" every relevant item can be withdrawn from the 1,312 branch shops within twenty-four hours. Where possible, however, the preparations are of a better standard than the official one. The article concludes with the summary: "Altogether they have a team of 34,000 people standing behind the polite young man in the white coat—the man who stands behind the counter, ready to dispense your particular prescription according to the exact recipe designed by your doctor." The illustrations include a picture showing an "individual prescription" being dispensed "precisely and accurately."

If the British Medical Association wished to feature an article concerning pharmacy surely it would have been more appropriate to have sought the aid of, say, the Pharmaceutical Society. Information would then have been given concerning the activities of pharmacists in general rather than the perhaps special activities of the "polite young man in the white coat" (an undignified description of a professional man, at best). The article does not help to strengthen the good relationship between medical practitioners and pharmacists which is essential to the sound working of the National Health Service. Its publication raises many questions for the Pharmaceutical Society. Among the problems to be



decided is whether the type of publicity given in the article comes within the meaning of advertising as used in the Society's Code of Ethics. If not must the Code be widened, and if so, how?

The Society must take notice of the article. Meanwhile the British Medical Association owes the pharmaceutical profession an apology and an undertaking that pharmaceutical topics will in future be treated in *Family Doctor* in a more professional and dignified way.

## Detergents and the Soap Industry

THE effects, competitive and stimulating, of the recently established wide use of synthetic detergents on the soap industry and their national implications were discussed by Sir Geoffrey Heyworth in London recently (see p. 661). From the national, or possibly world, point of view the adoption of synthetic detergents had held in check the post-war price of oils and fats, for if soap had been the world's only cleansing material an extra 500,000 tons of oils and fats annually would have had to be produced. That could possibly have been done, but only at a higher price. The production of soap affected that of glycerin, and it is noteworthy that Sir Geoffrey warned that glycerin production had fallen to "danger" level, and difficulties had only been averted because demand for glycerin had fallen since

1950 and a plant had commenced producing glycerin synthetically in the United States. Presumably more plants to synthesise glycerin will be contemplated if supplies of the by-product from soap worsen.

## Purchase Tax Prospects

FROM the statement made by the Chancellor of the Exchequer on purchase tax (see p. 656) it is apparent that no further purchase tax reductions are imminent and that the Government are agreed that the tax in its present form is not permanently acceptable. Further cuts in the tax rates may well be expected in the next Budget, but not until then. That expectation will again mean three "dead" months for trade at the beginning of 1954, to be followed by another crippling blow for the retailer when the axe falls unless the Government can be persuaded to accept a scheme for reimbursing the retailer when reductions are made. Against a background of three months' stagnation, bringing in its trail unemployment and injury to the country's export efforts, the small amount of money that might be wrongly credited seems paltry. For the Government to continue its present policy of offering sympathy but no rebates because (to quote the Hutton Committee) "of the extreme difficulty of preventing abuse" is tantamount to admitting administrative failure in this matter.

# Onward from Galen

## A CURRENT CAUSERIE

THE bronze mortar illustrated (front and rear aspects) was acquired recently by Mr. H. E. Chapman, M.P.S., from a dealer in Bedfordshire. The inscriptions FONDERIA G. VIGNALIS and A LEOPARO indicate its Italian origin. The mortar is 10 in. in height, 8 in. in diameter at top and



weighs 45 lb. Completely encircling the base are twelve projecting figures of oxen. An authority at the Victoria and Albert Museum, to whom a photograph and description were submitted, states that the mortar dates from the middle years of the 19th century, and that the design appears to be modelled upon the base of the baptismal font of the Eglise Saint Barthélemy at Liège, a work of the early 12th century. The two heads on the mortar are believed to represent either Hippocrates or Aesculapius.



F. G. DE FAYE, LTD., St. Helier, Jersey, Channel Isles, point out that although they are not "officially" in Great Britain they should have been included in the list of Royal

Warrant holders published in *THE CHEMIST AND DRUGGIST* Annual Special and Coronation Number (C. & D., June 6, p. 570), for they hold Warrants of Appointment to H.R.H. the late Princess Christian, H.M. the late Queen Alexandra, and H.M. the late Queen Mary, for Jersey Eau de Cologne supplied to them. The last mentioned Warrant followed the supply of an order to Queen Mary aboard the Royal Yacht when their late Majesties King George V and Queen Mary visited Jersey. They had supplied Queen Mary for some years previously, and Mr. F. G. de Faye had had a great deal of correspondence with Her Majesty's Private Secretary. When passing the pharmacy Queen Mary gave Mr. de Faye a special bow and the next day sent her Lady-in-Waiting to ask him if he had noticed that she had done so. Roberts Windsor Soap Co., Ltd., Victoria Works, Colwick, Nottingham, inform us that since Old Brown Windsor soap was formulated in the early nineteenth century the company has held a Warrant of Appointment to the Sovereign; and Boots Pure Drug Co., Ltd., Nottingham, that they hold a Royal Warrant to the late King George VI for the supply of soap and surgical dressings.



DR. G. S. NIGHTINGALE, physician superintendent of Warley Hospital, Brentwood, has written an interesting history of that mental hospital entitled *The First Hundred Years*, which was praised by the Minister of Health, Mr. Iain Macleod, when he visited the hospital on June 9 at an open day to mark the hospital's centenary. It was formerly known as the Brentwood Mental Hospital. "1870 saw the first mention of any specific medicinal treatment, other than opium, which was used freely for melancholia in doses of one to three grains, for mental illness," writes Dr. Nightingale. The newly introduced chloral hydrate was tried as a sedative and ammonium bromide for epilepsy, to be supplanted by potassium bromide in 1875. Other new drugs given a trial included Indian hemp, nux vomica, croton-chloral (a preparation that was "wrongly named" for it was butyl-chloral hydrate) and amyl nitrite. In



1876 calabar bean was introduced for general paralysis of the insane, a then very common disorder. In more modern times, prolonged narcosis was used from 1937.

★

DISCUSSING "facts and fancies" about cancer of the lung, Dr. D. W. Smithers (director of the radiotherapy department, Royal Cancer Hospital, London) attempted in an address at Manchester, recently reported in the *British Medical Journal* (1953, I, 1235) to put into proper perspective the startling recorded death rate from that cause—today a public topic in view of the implication that "one of our favourite indulgences" is the chief culprit. The

rise, he maintains, is largely the result in the change in numbers and age of the population and to improved diagnosis. There has been some real increase, but no-one yet knew how great that increase was. Recent interest in the subject and the accumulation of new facts had led to a "fine display of fancy," and he warns that what the clinician attributes to diagnostic skill the research worker may attribute to a carcinogen. Both classes need to beware of their natural bias, particularly when they publish their views to an "anxious and ill-informed" public. After what he stigmatises as some wild comments in the lay and medical Press on relation of smoking to lung cancer, he is pleased that a sensible view is now beginning to emerge.

## CORRESPONDENCE

*Letters when received must bear the name and address of the sender, not necessarily for publication. The Editor does not hold himself responsible for the views expressed.*

### A DISCLAIMER

MR. J. B. STORIE, M.P.S., Romford, points out that he was not the author of a letter (*C. & D.*, June 6, p. 592) sent in on his letterheading but in fact written by a locum.

### GENTIAN

SIR,—In answer to Mr. A. W. Bull (*C. & D.*, June 13, p. 643) I must plead guilty to being wrong. To those who are not experts, Gentian is always thought of as having lovely blue flowers, and I think I am right in stating *Gentiana Purpurea*, which has a purple flower, is used in commerce both in Switzerland and, I think, in France. Further, many of the bitters and liquors containing Gentian have a blue flower on the labels of the bottles and on their advertisements. Won't Mr. Bull allow me this amount of poetic licence or must I plead guilty to writing without "due care and attention"? I still remember as a boy seeing a bottle with a lovely blue Gentian flower on it and thinking that it must be lovely. It wasn't!—My first Gentian blue-mer.

LONDON, W.1

HERBERT A. BERENS

### VETERINARY SUPPLIES

SIR,—The letter of Mr. F. C. Bentley regarding the provision of Schedule 4 drugs by veterinarians (*C. & D.*, June 13, p. 643) is most timely. But an even greater anomaly is the indiscriminate way that penicillin preparations are distributed by the veterinary profession. I was recently informed by a veterinarian that the British Veterinary Association were worried at the fact that farmers tended to use penicillin for any suspected ailment, and frequently did not call in professional advice until too late. The B.V.A., he added, had asked all veterinarians to trace the source of any penicillin preparations in stock by the farmer, as they strongly suspected chemists of supplying the preparation without prescription! In point of fact the source of the trouble is with the veterinarians themselves, and the much-maligned pharmacist is once more "carrying the can." I know of a district (probably not the only one) where the farmer can send his cowman with a note to the local veterinarian's surgery requesting 2 or 3 doz. tubes of intramammary penicillin, and they will be supplied without question (frequently by the maid or the veterinarian's wife) despite the fact that the regulations state that only sufficient penicillin to deal with a specific case should be left by the veterinarian. It is, therefore, not surprising that farmers tend to treat penicillin with as much familiarity as they do a cleansing drench, and cannot understand why the pharmacist will not also oblige. This attempt to blame the chemist is one which the Pharmaceutical Society should resist.

AMERSHAM, BUCKS.

JOHN CAMP

### SHADES OF GALEN !

SIR,—Has anyone tried to fill ten 8-oz. bottles from a winchester of Aludrox? That is one of the absurdities that result from the Ministry of Health's regarding the dispensing of proprietaries as simply a business transaction. A look around my shelves—I am lucky in enjoying the privilege of a daily delivery service—provides convincing proof

that I am incapable of forecasting the fancies of medical men, and in particular of knowing when an item, in the position of first favourite, will be suddenly dropped. What are we to do with such shelf warmers? In normal business we may and do gamble on future demands, but we have the privilege of disposing of our failures and thereby cutting our losses; how are we to dispose of the fifteen items (sales prohibited), five items (dispensing pack freed of tax) in the thirty items listed by the Ministry? It is easy for the pricing bureau, at the end of a month, to decide upon the most economical pack to have in use, but to decide on such an issue before the end of a month is a gamble, and the method of pricing should preclude such gambling.

BRADFORD

J. DEWHIRST

### UNQUALIFIEDS STILL "ALIVE"

SIR,—Although Unqualified realises that he has not lost much by the court of members refusing to appoint him to the position of technical pharmacy laboratory assistant, it is quite obvious that he never had a fair trial. He was held up as an arrogant, impertinent upstart, ever ranking himself with the princes of pharmacy, whereas he was really a retiring, self-effacing individual, who merely wanted a just reward for the donkey-work he did for the princes. No evidence was called on his behalf, and although all the members there were fully aware of his real merits, only one had the temerity to stand up and speak in his favour—may this lone champion of truth and justice be spared to see many more new pharmacopœias! Strangely enough, until he reared his modest head, the members had considered Unqualified quite a likeable fellow, and would jostle each other to make his acquaintance; but as soon as he requested a place in the Bloomsbury sun he became a marked man. Many members would have had him shot out of hand, but prudence whispered that if they killed the donkey right off, they would have to draw the load themselves. So they compromised matters, and kept their pharmacies running, by letting Unqualified go, on the strict understanding that he remained in his unqualified anonymity. He was rather perturbed to hear a rumour that he was dead and buried, and he wishes it to be known that not only is he very much alive, but that he intends to keep on stirring the turbid mixture of prejudice and injustice until a clear solution is effected.

HALL-UNASHAMED

### ECHOES OF THE PAST

### CALL FOR VETERINARY RESEARCH

*From "The London Chronicle or Universal Evening Post," October 28, 1760*

JOHN Aldridge, of Graveney, near Faversham in Kent, having had, within these eight months, upwards of 400 sheep die of an epidemical distemper, which carried them off in a few hours after an appearance of their being disordered; and as his endeavours to put a stop to his misfortune have proved ineffectual, any humane person that knows of a remedy, and will send a receipt to the said Mr. Aldridge, or to the Publisher of this Paper, will do an action of good nature and benevolence.

# ANATOMICAL MODELS

## A simple and inexpensive method of preparation

BY DWIGHT L. MOODY, L.R.C.P., L.R.C.S., L.R.F.P.S., D.P.M., Ph.C.N.I.  
(Springfield Hospital, Manchester, 8)

BELOW is described an inexpensive and quick method of preparing anatomical models. The technique described below does not harm the original specimens, and produces articles that are accurate, light, durable and with a little paint, varnish or enamel, etc., have a good appearance. The making of models has the special advantage to the student of a self-teaching value comparable to drawing and dissection.

The following materials, etc., are needed:

A few lb. best absorbent cotton wool. (Other grades are not so easily manipulated.) 2 lb. best gum acacia in tears. 1 fl. dr. liquefied phenol. 4 fl. oz. Thin liquid paraffin. One spool of fine cheap white cotton thread. Clear white varnish. Range of poster water colours: Large pot of white; Red, for origins of muscles; Blue, for muscle insertions; Green, for ligamentary attachments; Orange, for synovial surfaces; Yellow, for septa and membrane boundaries. Piece of muslin or clean flour-bag. Wide mouthed bottle or jar (a sweet bottle is suitable). Pair of sharp strong scissors. Strong razor blade in suitable holder. Large oven or any good hot fire. Tins or other means of suspension before the fire. Set of good (clean) anatomical specimens.



Finished, painted shoulder blade and humerus models.

1. *Preparing Mucilage.* Place the gum arabic in the wide-mouthed bottle or jar and cover with warm boiled water equivalent in amount to twice the volume of gum, add the phenol and allow to macerate with frequent stirring until a strong mucilage is formed. Strain through the muslin bag or flour-bag, and keep in tightly-stoppered well filled bottles, in a cool place

2. *Covering the Specimen.* Smear paraffin sparingly over the clean bone, to be copied. Apply to the bone pieces of wool that are not too thick and are roughly the same size as the bone. Hold the wool in place and moisten with warm water, sprinkling, dabbing or squeezing as necessary to carefully smooth out the wool over the surface, and work it into the crevices, etc. Allow to dry spontaneously. Apply mucilage and again smooth out the surface. Use plenty of mucilage to allow it to get well down to the bottom layers of the wool, and until experience is gained, bind lightly where necessary with thread. Strong binding disfigures the model.

3. *Drying and Tightening.* Dry until burning point, in the oven or before the fire, turning the article frequently.

4. *Removing the Covering Model.* Remove the firmly-set covering in as few pieces as possible (most bones yield two opposing halves) cutting down on to the bone and then levering the parts away from the bone and one another.

5. *Putting the parts together.* Place the parts together

and lightly bind them together with thread, at the same time sealing the joints with wool laid between and over them and moistened with the mucilage. The sealings are secured by a further drying. Remove the threads, clean up, paint and varnish.



Completed femur model.

Some organs and tissues, for example, those of the central nervous system, can be copied in the way described above but are destroyed in the process. For others, rough models in paper or cardboard are first prepared and then the wool is moulded around them and treated as before.

With a little imagination nerves, blood vessels and appendages, etc., can be added by either using the material suggested, blood vessels, for example, may be made over wire, or by the use of thread, twine, tissue-paper, etc.

## CELLULOSE

### Some Properties and Applications

WATER-SOLUBLE cellulose products are usually sodium salts of carboxymethylcellulose, the introduction of a number of sodium carboxymethyl groups into the cellulose molecule rendering it water-soluble. That introduction is achieved by treating a high purity cellulose with an alkali and then reacting with sodium monochloroacetate.

Sodium carboxymethylcellulose (CMC, or cellulose gum) is prepared as a white powder with a fibrous or granular texture. It can be produced with different viscosity-concentration characteristics and in varying degrees of purity. It is readily soluble in hot and cold water and solutions can be safely stored for long periods, although a preservative is generally added, however, to inhibit growth of micro-organisms.

If aqueous solutions of CMC are evaporated, clear films of sodium carboxymethylcellulose can be produced. Typical films, 0.002 in. thick, have a tensile strength of about 12-13,000 lb. per square inch with a maximum elongation before rupture of about 10 per cent. A more flexible film can be produced by the addition of suitable plasticisers to the solution from which the film is prepared. A maximum elongation of about 50 per cent. can be achieved. The film will readily re-dissolve in water, but it is quite impervious to oils, greases and organic solvents. It can be rendered, however, less soluble in water.

CMC is used in laundry finishes and water paints and as substitute in foods for gelatine and water-soluble gums. It is also used as an emulsion stabiliser in the preparation of tablets, tooth-paste, ointments, lotions, suspensions and similar pharmaceutical products, and in cosmetic preparations. CMC may be added to synthetic detergents, shampoos and liquid soaps to prevent the dirt particles from being re-deposited on the surface before it is removed from the solution.



## A Chartered Accountant gives answers to ANY BUSINESS QUESTIONS

*A cheque was recently given to me in settlement of my account for goods supplied on credit and I have not yet banked this. I have heard of the death of my customer and I am wondering whether I am now entitled to lodge the cheque in the usual way or whether there is some special procedure to be adopted.*

THE governing Act (Bills of Exchange Act, 1882) provides specifically that a banker's authority to pay a cheque is revoked by notice of the death of his customer. The banker has the right, therefore, of refusing to honour the cheque. It is then necessary to wait for the appointment of an executor or administrator of the estate to take the matter up with him. Proof of debt may be required.

*The recent reductions in purchase tax will clearly involve us in losses. How are stocks to be valued at the end of the financial year to allow for such losses?*

So far, at the time of writing, no special scheme has been forthcoming for relief of such losses. The formula usually to be adopted in evaluating stock-in-trade at the close of an accounts period—"cost price or market price, whichever is the lower"—is, of course, applicable, "market price" generally meaning the price current at the time of valuation of similar goods purchased on the usual terms and conditions. Theoretically, goods may still be sold at the old selling prices, and the loss may be construed as being a result of a fall in those prices. But the application of the formula referred to will charge the whole of the loss to the financial year covering the introduction of the new rates.

*A premium has been paid by my company on the acquisition of a new lease. Can this payment be construed as part of the company's rent charge and taxation relief be obtained on account of such expenditure?*

THE payment of a premium by way of acquisition of a lease is not a chargeable expense either in the year of payment or spread over the duration of the lease. It is interpreted as capital and not revenue expenditure. There may be charged in the accounts the amount of rent or net annual value (in certain cases, the gross annual value) whichever is the higher. If the Commissioners of Inland Revenue have availed themselves of their right to take into consideration the payment of a premium to a landlord, and this is charged in the accounts, relief is indirectly obtainable.

*In the balance sheet of a company I am interested in, there is mention of a Sinking Fund. What exactly is this?*

RESERVES may be made by a business to meet future liabilities or contingencies but so far as those reserves are locked up in the business, they are not "free" and readily available. Moreover, their availability may not be devoid of embarrassment, and accordingly, resort may be had to specific investment outside the business. The reserve is then known as a reserve fund or a sinking fund, which is represented by that specific investment the proceeds of which will provide for the future liability or contingency. In providing for the future liability or contingency due allowance may be taken of the return given by the increasing sinking fund and the return re-invested. Sinking funds are often set up, for example, in connection with leases requiring renewal in due course or debentures which must be repaid at a fixed date.

*I was astonished to read recently that, as a result of a High Court decision, creditors will have to be careful*

*before giving credit to a limited company to see that it has power to carry on the particular transaction or they may find themselves unable to recover from the company! Will you explain this?*

A LIMITED company's objects are stated in its memorandum of association, the constitution of the company, and any business engaged outside those objects is *ultra vires*—beyond its powers—and therefore void. The file of a company registered in this country may be inspected by any person at Bush House, London, W.C.2, on payment of one shilling, and persons dealing with the company are presumed to have knowledge of the contents of the memorandum and articles of a company. They cannot, therefore, plead ignorance. In the case referred to, the liquidator rejected certain creditors' claims, as the debts arose out of transactions outside the scope of the company's objects. Action may lie, in certain circumstances, however, against directors. Memoranda often explicitly provide for power to carry on any and every business the company may wish to exercise, each of those powers to be considered an independent object.

*I have a small business and I have always had a credit balance at my bank but my bank charges have risen from £6 to £24 per annum in the past four years. I am well aware of the rise in prices, but that increase seems very heavy when the bank has use of my money. How do banks arrive at their charges?*

THE subject of increased bank charges has been in much controversy of late. In some instances even, accounts formerly bearing no charge for services performed now suffer such charge. Banks adopt no rigid rule in making their charges. A manager, concerned that a current account should pay for itself, will note the balance of the account and its variations in the period and gauge what it has earned for the bank. An estimate is made of the costs of the various services provided, including handling of cheques. If that is less than what the account has earned, no charge is made. The manager thus has two main considerations; the earning power per cent. of accounts and the approximate cost of handling a cheque payment or lodgement. From this is obtained a rough idea of the number of cheques that can be allowed without charge, taking into account any other services performed. The age of an account may be given some consideration.

*We have taken over a number of shops and are desirous of installing some stock control or check. Would you advise us accordingly?*

THE visible card-record control is probably the best type of system to adopt in this case. It is fluid and adaptable to individual requirements, and there are a number of firms which advise on and even install them, although the preference may be for a professional adviser at least to collaborate in such installation. It cannot be over-emphasised that the specific circumstances and needs in question are all-important. A loose-leaf stock ledger may be considered adequate. A system must provide for speedy and maximum necessary information at a glance as well as control in which internal check plays an integral part. If central buying and distribution and charging out stock at selling prices is adopted, each branch will then be readily accountable for a definite amount of cash, book debts (if any) and stock-in-hand. Branch returns can be made and it may be found that stock can be kept on an imprest system. Further, inspection at irregular intervals will need to be made. Mismanagement or fraud may be quickly detected if such methods are efficiently adopted.

# A HISTORY OF PHARMACY AT UNIVERSITY COLLEGE HOSPITAL

By T. D. WHITTET, B.Sc., Ph.C., A.R.I.C., D.B.A.

(Continued from THE CHEMIST AND DRUGGIST, June 13, p. 644).

## *The Apothecaries*

The apothecaries were all medical practitioners, as the 1815 Apothecaries' Act confirmed the right of apothecaries to practise medicine. In the hospital, besides being in charge of the supply of drugs, dressings and surgical instruments, the Apothecary performed many of the duties now undertaken by the resident medical officer. In fact, in 1843, the title of Richard Quain, the third apothecary, was altered to Resident Medical Officer while he continued performing the same duties. Two years later the title was changed back to Apothecary, and it remained so until 1851 when it again became Resident Medical Officer, though the holder of the post continued to be responsible for the dispensary and for pharmacy teaching until the appointment of the first pharmacist in 1868.

JOHN HOGG (1828-34): John Hogg, the Hospital's first resident apothecary, was born in 1803 and took his M.D. and M.R.C.S. at Edinburgh in 1827 and his L.S.A. whilst at the dispensary in 1830. He later became a physician to the hospital and went into general practice in London. Hogg published a series of chemical and medical tables whilst at the dispensary, and later monographs on the health and habits of the inhabitants of London (1847) and the Prevention of Consumption (1860). He died in 1880 at the age of seventy-seven.

JOHN TAYLOR (1834-41): John Taylor was born in Huddersfield in 1810 and received his medical education at University College, graduating M.D. and later becoming F.R.C.P. He was apothecary during the first few years of the hospital and left that post when he was appointed the first of the special Professors of Clinical Medicine at University College, now known as "Holme Professors." He was one of the first Fellows of the College. Unfortunately, his health was weak and he resigned to return to his native Huddersfield where he became physician to the Royal Infirmary. He died in 1852 at the age of forty-one.

SIR RICHARD QUAIN, Bart., F.R.S. (1841-46): Richard Quain was born at Mallow-on-the-Blackwater, co. Cork, in 1816. He was educated at Cloyne Diocesan School and apprenticed to Dr. Frazer, a surgeon-apothecary in Limerick, entering University College in 1837, where his cousins Jones and Richard Quain were professors of anatomy and physiology. Quain graduated M.B., taking a scholarship and gold medal in physiology and honours in surgery and midwifery. Whilst in charge of the dispensary he took his M.D. with honours and a gold medal and was elected a Fellow of the College. Later he became a Fellow, and finally President, of the Royal College of Physicians. He served also as President of the General Medical Council, the Harveian Society, and the Pathological Society, and was a member of the Senate of London University.

After leaving University College Hospital, Quain obtained a large and fashionable practice in Harley Street, and among his patients were Thomas Carlyle and his wife and Sir Edwin Landseer. He also became physician to several hospitals, including the Brompton and Seaman's Hospitals. In 1863 Quain became a member of the

Pharmacopœia Committee of the General Medical Council and was its secretary during the first revision, which resulted in the second edition of the British Pharmacopœia, 1867. In 1874 he became chairman of the Committee and thus was closely associated with the Pharmacopœias of 1874, 1885 (with Appendix 1890) and 1898. He received many honours, including M.D. *honoris causa* of the Royal University of Ireland and of Trinity College, Dublin, and LL.D. of Edinburgh University and F.R.C.P. of Ireland. He was elected a Fellow of the Royal Society in 1871, became physician to Queen Victoria in 1889, and was created a Baronet in 1891. His work on fatty degeneration of the heart is regarded as a classic and the "Dictionary of Medicine," which he edited, has been described as the most successful medical publication of his generation. He died in 1898 at the age of eighty-two.

CHARLES PERCY CROFT (1846-48): Charles Percy Croft was born in 1816 and educated at Edinburgh and at University College, obtaining his L.S.A. and M.D. in 1841 and his F.R.C.S. in 1860. His academic career was distinguished, and he won several gold and other medals, including the Fellowes gold medal. After being apothecary for two years he became a house surgeon with Joseph Lister. Croft left the hospital and worked for some time as medical officer to 4,000 workmen engaged on the reconstruction of the City of Rio in Brazil. Later he went into general practice in London and was one of the founders of the Great Northern Hospital. He died in 1873 at the age of fifty-seven.

JOSEPH THOMAS CLOVER (1848-53): Joseph Thomas Clover was born at Aylsham, Norfolk, in 1825. He was educated at the Grey Friars' School, Norwich, and then apprenticed at the Norwich and Norfolk Hospital. He proceeded to University College and, though handicapped by poor health, had there a distinguished career. He qualified M.B. and L.S.A., and after some months as house surgeon was appointed apothecary. Under him Lord Lister, then Joseph Lister, was house surgeon. The use of anaesthesia was rapidly coming into practice in the hospital, and it fell to Clover, as resident apothecary, to administer the chloroform or ether. He also had to instruct others in their administration. Thus he acquired a large and full experience of the action of these potent new drugs, together with the dangers associated with them and the precautions to be taken in administering them.

After five years at the hospital, during which time he took his F.R.C.S., Clover went into practice as a surgeon in Cavendish Place. He was making good progress in this field and had invented a special syringe for lithotripsy when ill-health caused him to abandon surgery and to adopt the career of an expert anaesthetist, becoming one of the first to do so. His was so successful that he was in great demand to administer anaesthetics and was responsible for advances in the whole field of the subject. His success was largely due to his gift for inventing apparatus that regulated precisely the percentage of vapour administered. He was the first in England to apply a face mask for the administration of nitrous oxide (in 1868) and thus popularised the use of



that gas. Finally, being impressed by the dangers of chloroform and by the difficulties of induction with ether, he introduced in 1876 the method of giving nitrous oxide as a preliminary to ether and invented for that purpose an apparatus which was followed by his portable ether inhaler. Largely through his work ether became a safe and rapid method of inducing anaesthesia. Clover was appointed the first Lecturer in Anaesthetics to the Hospital and contributed a chapter on anaesthetics to Sir Richard Quain's "Dictionary of Medicine." It has been described as a masterpiece. He died in 1882 at the age of fifty-seven.

### *Resident Medical Officers in Charge of Pharmacy*

During Clover's period of office the title Apothecary was altered to Resident Medical Officer, though holders of that post remained in charge of drugs and the teaching of pharmacy.

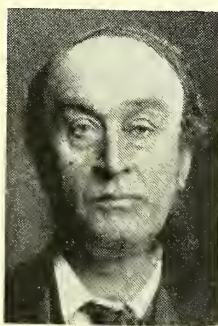
**THOMAS HILLIER (1853-56):** Thomas Hillier was born in 1831 at Newmarket, Glos. He received his medical education at University College, where he had a distinguished career, obtaining the degrees of M.B. and B.A. and M.R.C.S. diploma. He was resident medical officer for three years, and during that time took his M.D. Later he became Medical Officer of Health for St. Pancras for twelve years, physician to the Hospital for Sick Children, Great Ormond Street, and physician and lecturer in dermatology at University College Hospital. He became F.R.C.P. in 1867 and published several books, including "Handbook of Skin Diseases" and "Diseases of Children." He died in 1868 at the age of thirty-seven, and his obituary in the *Lancet* said "He worked himself to death."

**WILLIAM PRICE JONES (1856-59):** William Price Jones qualified at University College, taking his L.S.A. in 1832 and his M.B. in 1837. He was resident medical officer for three years, during which time he obtained his M.D. and F.R.C.P. He was for some time curator of the museum of anatomy and pathology at University College. Later went into general practice in Surbiton and was a surgeon at Kingston Dispensary. He died in 1899 at the age of sixty.

**EDWYN ANDREW (1859-61):** Edwyn Andrew was born in Shrewsbury in 1832. He received his medical education at University College, graduating L.S.A. and M.B. He was resident medical officer for two years and took his M.D., M.S. and F.R.C.S. Later he specialised in eyes and ears, going into practice in Shrewsbury. He published several papers on those subjects and was responsible for the building of the new Shropshire and North Wales Eye and Throat Infirmary. Andrew died in 1887 at the age of fifty-five.

### *Ringer and his Solution*

**SYDNEY RINGER, F.R.S. (1861-64):** Sydney Ringer was born at Norwich in 1835, one of three brothers all of whom became famous in their respective fields. He had a short period of apprenticeship in Norwich, and then entered University College. His academic career was brilliant, and he graduated M.B. in 1860. At the early age of twenty-five he read a paper on sound to the Royal Society. He became resident medical officer, and from his earliest day at the hospital excited admiration for his vigour and ability. He graduated M.D. whilst resident medical officer and within two years of that post was appointed full physician. In 1878 he became Professor of



Sydney Ringer, F.R.S.

*Materia Medica and Therapeutics.* Ringer was much more interested in the pharmacological side of *materia medica* than in its descriptive and historic aspects, and was one of the pioneers of pharmacology as we know it today.

His work on the effect of ions on living tissues was of

fundamental importance, and his name will always be remembered in Ringer's solution (compound injection of sodium chloride, B.P.) which must be in daily use in every pharmacological laboratory in the world and is also frequently used clinically. The following is often recounted as the origin of Ringer's solution, though the story may be apocryphal. It is said that solutions for studying the behaviour of frogs' hearts *in vitro* were usually made up by Ringer's laboratory assistant, who prepared them with tap water. On one occasion, when the assistant was on holiday, Ringer prepared the solutions himself, using distilled water, and found that the isolated frog's heart soon stopped. He investigated the cause and discovered the necessity for the presence of sodium, potassium and calcium ions to maintain the regular rhythmic beat of the heart. From that discovery Ringer went on to make a study of the effects of a large number of inorganic ions on many types of tissues. Among Ringer's other important work in pharmacology was a study of the effect of cardiac glycosides, alkaloids and anaesthetics on the heart. He also studied the effect of inorganic ions on the clotting of blood and of milk.

### *An Early Scientific Treatise*

Ringer received many honours, including Fellowship of the Royal Society. His "Handbook of Therapeutics" was one of the first really scientific treatises on the subject and went into thirteen editions. He retired in 1900, becoming consultant physician and emeritus professor. He died in 1910 at the age of seventy-five. His name is further perpetuated in the medical school by the institution of the Sydney Ringer Memorial lecture.

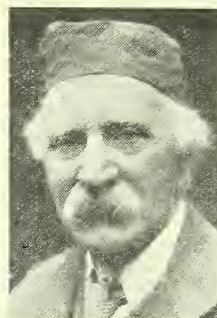
**WALTER RICKARDS (1864-66):** Walter Rickards was born in 1840 and received his medical education at University College Hospital where he graduated M.B., M.R.C.S. and L.S.A. in 1862. He was resident medical officer for one year, and during that time took his M.D. He left to go into general practice in Cavendish Place and became M.R.C.P. in 1867. Rickards died in 1897 at the age of fifty-seven.

**CHARLES EDWARD SQUAREY (1866-68):** Charles Edward Squarey was born at Salisbury in 1842, and apprenticed to a surgeon of that city, also gaining practice in the Salisbury General Infirmary. He received his medical education at University College Hospital, graduating M.B., M.R.C.S. and L.S.A. While still a student he volunteered and was accepted as an assistant medical officer at the London Fever Hospital at a time when epidemic typhus was rife in London and the medical officer of that hospital was lying ill with the fever. Also in his student days, Squarey subjected himself to a rigid dietary and made himself the subject of experiments on the effects of coffee on the urea and chloride of the urine in health.

### *Work on Typhus*

On qualifying, Squarey returned to the Fever Hospital as assistant medical officer and early in 1865 had a severe attack of typhus, which nearly cost him his life. After two or three voyages to and from America, as surgeon to a Cunard steamer, he was appointed medical superintendent to the Fever Hospital, and during a further epidemic of typhus wrote a monograph on "Observations on the Temperature and the Urine in Typhus Fever." He was also in charge of several wards of cholera patients during the epidemic of 1866. In early 1867 Squarey became resident medical officer at University College Hospital and began to specialise in obstetrics, gynaecology and anaesthetics. Whilst in that post he published papers on chloroform and nitrous oxide. On leaving the hospital he went into practice in Wimpole Street as an obstetrician and gynaecologist and became physician to the Hospital for Women and Marylebone Dispensary. He published a paper on uterine disorders. Charles Squarey died in 1875 at the early age of thirty-two.





#### PHARMACISTS OF UNIVERSITY COLLEGE HOSPITAL

Left to right, Messrs. W. Martindale (1868-73); A. W. Gerrard (1873-94); W. Elborne (1894-98); Harold Wilson (1898-1904); and (on opposite page) R. R. Bennett (1904-14); C. H. Hampshire (1914-29); H. Davis (1929-47); and T. D. Whittet (1947-).

#### *The Pharmacists*

In 1868 the control of drugs and teaching of pharmacy passed from the control of apothecaries or medical officers to pharmacists.

**WILLIAM MARTINDALE (1868-73):** William Martindale was born in Stainton near Carlisle in 1840, the third son of a farmer Richard Martindale. He was educated at a private school and apprenticed to his uncle, who owned a pharmacy in Market Place, Carlisle. On his uncle's death in 1859 he finished his apprenticeship with Andrew Thompson of English Street, Carlisle. During that time he used to go with his apprentice-master on morning walks in search of henbane and other drugs for manufacturing. He thus acquired a lifelong interest in botany which later gained for him Fellowship of the Linnaean Society. On the completion of his apprenticeship, at the age of twenty-two, Martindale was in poor health, and spent some time on the south coast before becoming an assistant at Merrell's, Camden Road (see *C. & D.*, 1952, II, 16). He then proceeded to the "Square" where he took his Ph.C. with honours in 1866. After two years as qualified assistant at Morson & Son, Southampton Row, he was appointed pharmacist and teacher of pharmacy at University College Hospital.

Martindale soon began to show his foresight and capacity for scientific work and publication, and in his first year at the hospital read a paper entitled "Carbolic Acid Plaster" to an evening meeting of the Pharmaceutical Society. The paper described the results of some of his work with Lister, who had been a student and house surgeon at the hospital. Martindale also worked with Lister on other antiseptics, and their work resulted in the introduction of boric acid ointment and cyanide gauze. In 1872 he described more of that research in a paper entitled "Antiseptic Pharmacy." During his time at the hospital Martindale also published papers on the pharmacopœial solutions of iodine, excipients for pills, and bases for suppositories, spiritus ammon. aromat., copaiba jelly, and a plaster-spreading apparatus. His method of preparing mucilage of tragacanth was accepted by the B.P. of his day and has remained virtually unchanged even in the present edition.

Martindale worked on vasodilators under the guidance of Sir Lauder Brunton, and originated the idea of putting up amyl nitrite in crushable glass ampoules. The convenience of this method of packing made them an immediate success and they remain an important means of administering volatile drugs today. The crushable glass capsules were a forerunner of the ampoule for injections, developed by Martindale's son, who patented "Sterules" as early as 1904.

About the same time Martindale originated the use of nitroglycerin in a cocoa-butter base for sublingual use as a

vasodilator in angina pectoris.\* In 1872 he was appointed to the board of examiners of the Pharmaceutical Society, an appointment which he held until he joined the Society's Council in 1882.

Also whilst at the Hospital he assisted with the preparation of a regular feature known as "Dispensing Memoranda," for the *Pharmaceutical Journal*, and those notes formed the nucleus of the Extra Pharmacopœia of which he published the first edition in 1883. That work has become one of the most popular reference books on drugs and reached its twenty-third edition in 1952. It is now widely known as "Martindale" and thus immortalises the name of its founder. Some idea of the demand for the book can be gained from the fact that orders totalling £50,399 were received for it during the financial year of the Pharmaceutical Society ended April 1953.

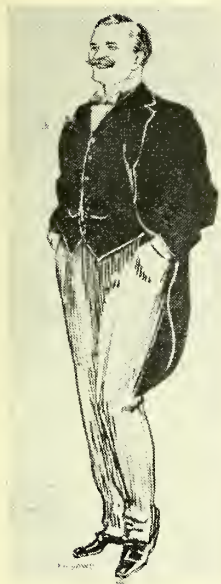
Martindale left the hospital in 1873 but for some time retained his post as demonstrator of materia medica to the College. He also maintained his friendship with several of the medical staff and published several joint papers with them. He was especially friendly with Sydney Ringer, and in 1875 published with him a paper entitled "Jaborandi," a work of particular interest in view of Ringer's later work with Martindale's successor Gerrard. On leaving U.C.H. Martindale took over the pharmacy of Hopkin & Williams, in New Cavendish Street, and developed it into the retail and wholesale firm which is known by his name today. He also became a member of the Society's Council, its treasurer in 1898 and its president in 1899. Martindale's health became so bad during his year of office as president that he had to go to the West Indies and South Africa for a change and a rest. He was a frequent contributor to the British Pharmaceutical Conference from 1869 onwards and was treasurer from 1888 until 1890 and president in 1891 and 1896. He had to refuse a third term because of illness.

#### *Non-pharmaceutical Interests*

Martindale also had many non-pharmaceutical interests. He lived at Winchelsea and became mayor of that town and as such a Baron of the Cinque Ports. He was a member of the Council of the Royal Botanic Society and was interested in a scheme to improve the teaching of botany in London. He was a member of many other societies, including the Royal Society of Arts, the Chemical Society, the Sanitary Institute and the Sussex Archaeological Society. Whilst at Winchelsea he continued his experiments and the following anecdote is taken from a letter by his grandson to the *Pharmaceutical Journal* in June 1941:

\*Martindale was one of the earliest pioneers of parenteral medication and whilst at the hospital published a paper on "A Solution of Morphine for Hypodermic Injection" (*Pharmaceutical Journal*, 1870).





Above: Part of the dispensary. Below: Views of the sterilisation laboratory.

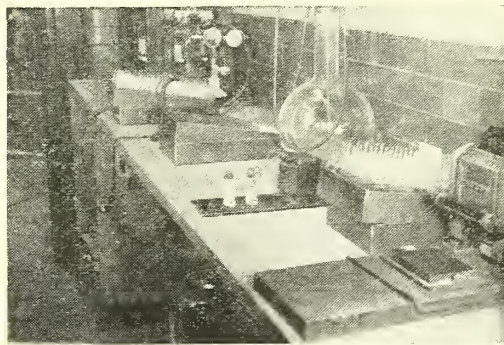
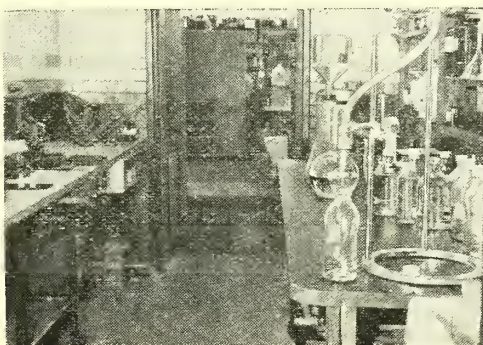
"I remember my father, on the rare occasions when he spoke of his father and his father's assistants, telling some good stories about him. It appeared that he possessed a fiery temper, although he was of a kindly and genial disposition, and that in business he was of an extremely excitable nature. My father often used to tell the tale of how my grandfather first made nitroglycerin for the well-known nitroglycerin tablets. It was done in the coldest of weather, on moonlight nights, with hard frost everywhere, outside the back door of his country cottage in Winchelsea. A basin containing the glycerin was surrounded by ice and another glass vessel containing the mixture of nitric and sulphuric acids stood alongside, also surrounded by ice. Then, in the dead of night, when everyone in the village had long since gone to sleep, William Martindale crept out of his cottage, aided only by his faithful

old servant and helper, James Hunter, and by my father, and then proceeded with the work. Gradually the nitro-sulphuric acid was added to the glycerin, the contents being slowly stirred meanwhile, and after some time the greenish-yellow oil of nitro-glycerin separated out. When that was fully accomplished my grandfather would decant this liquid into a jar. . . .

But all did not go well with William Martindale's adventures with the manufacture of high explosives in the moonlight. It is well known that it is most difficult to do anything, especially in the country, without some "nosey parker" discovering it. Absolute privacy, even for the making of explosives, is well-nigh impossible. This proved to be the case with my grandfather; no sooner had he got happily to work one night when a German neighbour wandered into his garden, found out what he was doing and threatened to expose him to the local police! Great and terrible indeed were William Martindale's wrath and fury at thus being disturbed, and he "let drive" at the intruder in language described by my father as worse than any nitro-glycerin!"

*Corrections: The picture on p. 644 was of the laying of the foundation stone of U.C.H. The first name of Professor Thompson (C. & D., June 13, p. 645), was Anthony.*

*(To be continued).*





## TRADE REPORT

Spot quotations for pharmaceutical chemicals represent the prices for wholesale quantities of standard quality. Prices of crude drugs and essential oils vary as to brand or grade.

LONDON, JUNE 17: The markets for PHARMACEUTICAL and FINE CHEMICALS were featureless during the past week, trading continuing around the levels established during the last month or so. The forecast that new crops of many BOTANICALS of American origin would be small this year due to adverse weather conditions, failed to attract interest in either spot material or in forward deliveries.

Limited offerings of spot Colombian IPECACUANHA, CASCARA SAGRADA, 1952 peel, and QUASSIA chips appeared on the market again after having been absent for a number of weeks. Slightly easier in price were PERU BALSAM, ASAFETIDA and STYRAX for supplies on the spot and CLOVES and SENEGA for shipment. New-crop CANADA BALSAM is about to be shipped from origin and as a result holders of old-crop on the spot have marked down their prices by 2s. 6d. per lb. All grades of SHELLAC advanced in price in sympathy with firmer conditions in Calcutta. In AROMATIC SEEDS there were very few inquiries for CUMIN but business was reported done in new-crop for shipment. Indian CELERY was inclined to be dearer and CORIANDER held firm. Offers of TURMERIC on the spot have been withdrawn and quotations for shipment have again advanced sharply varying between 95s. and 105s., c.i.f., per cwt. for Madras finger.

### Senna Shipments

SENNA shipments from Tuticorin during May were as follows:—

	United Kingdom	United States	Europe
	Bales	Bales	Bales
LEAVES	25	565	104
FODS...	—	25	146

The above shipments are said to include a number of bales of dry-crop material. Spot parcels of CARNAUBA WAX were dearer.

Trading in ESSENTIAL OILS was again dull. A wide variation in the quotations of a number of commodities was noted from which it was inferred that some holders are anxious to clear out their stocks before the new season's oils are offered.

### UNITED STATES DRUG AND CHEMICAL REPORT

NEW YORK, JUNE 16: FINE CHEMICALS have generally been firm, with advances occurring recently in SALICYLATES, CITRIC ACID, CITRATES, BENZOIC ACID and SODIUM BENZOATE. Demand for GLYCERIN remains at good levels though overall use was lower in recent months. Japanese MENTHOL was slightly firmer. Price activity was less extensive in BOTANICALS. Higher per lb. were GUM ACACIA, amber sorts at 13½ cents (up half a cent); AGAR, Kōbē No. 1 at \$2.10 (5 cents) and Bourbon VANILLA BEANS at \$4.50 (25 cents). Lower was ERGOT at \$2.65 per lb. (15 cents). Among ESSENTIAL OILS, SPEARMINT was lower at \$7.95 per lb. (5 cents) and CINNAMON LEAF at \$1.25 (5 cents).

### Pharmaceutical Chemicals

ANEURINE HYDROCHLORIDE. — Prices (per kilo) range from £46 for 1-kilo down to £45 15s. for 100-kilo lots.

ANTIMONY SALTS.—Quotations for POTASSIUM TARTRATE, B.P., are 7s. 6d. per lb. for 1-10 cwt. and SODIUM TARTRATE, B.P. 13s. 3d.

PANCREATIN. — 1-cwt. lots, B.P., is now 8s. 6d. per lb. and U.S.P., 10s. 6d.

PARAFFIN. — LIQUID: Prices to wholesale distributors are as follows:—HEAVY, B.P., £99 7s. 6d. per ton, LIGHT, B.P., is £80 7s. 6d. per ton and technical WHITE OIL, £68 10s. all in 40/45 gall. returnable loaned drums, delivered in the U.K. SOFT PARAFFIN: WHITE is £88 7s. or £86 2s. 6d. per ton as to grade and YELLOW, £66 2s. 6d., all in non-returnable 3-cwt. drums. HARD PARAFFIN, m.p. 135/140° F., is £72 15s.; 145/150° F., £80; and 160/165° F., £100 per ton, in minimum-ton lots, ex works.

BENZAMINE. — B.P.C. LACTATE and HYDROCHLORIDE are 180s. per lb.

BUTOBARBITONE.—B.P.C. is 75s. per lb. in 1-cwt. lots.

CHLORAL HYDRATE.—In 1-cwt. lots the price is from 3s. 10d. per lb. as to holder.

CHLOROBUTOL.—28-lb. lots are at the rate of 13s. 6d. per lb.

DEXTROSE.—Rates (per lb.) for B.P. material are as follows:—

	MONOHYDRATE	1-4 cwt.		5-cwt.	
		s.	d.	s.	d.
1-lb. carton ...		1	11½	—	—
7-lb. tin ...		1	10½	1	9
14-lb. tin ...		1	9½	1	8
28-lb. tin ...		1	8½	1	7½
In bulk ...		Above, less 12½ per cent. to wholesalers, delivered.			
		£127 per ton, ex works or store, for minimum 1-ton lots.			
	ANHYDROUS	1-4 cwt.		5-cwt.	
		s.	d.	s.	d.
7-lb. tin ...		2	0	1	10
14-lb. tin ...		1	10½	1	9
28-lb. tin ...		1	9	1	8½
In bulk ...		Above, less 12½ per cent. to wholesalers, delivered.			
		£132 per ton, ex works, for minimum 1-ton lots.			

NICOTINAMIDE. — Prices per kilo are: 1 kilo, 132s.; 50 kilos, 115s.

NICOTINIC ACID.—Prices per kilo range from 85s. 9d. to 97s. as to quantity.

OXALIC ACID.—1-ton lots of British material are £138 per ton delivered.

PAPAVERINE. — Synthetic HYDROCHLORIDE (British material) is £35 per kilo, nominal.

PARALDEHYDE.—Carboy lots of pharmaceutical grade are 1s. 10½d. per lb.

PHENAZONE. — British material in 1-10-cwt. lots is 17s. per lb.; imported, from 13s. 9d.

PHENOBARBITONE. — 1-cwt. lots are 24s. per lb.; SODIUM is 1s. per lb. more than above rates.

PHENYLACETIC ACID. — In 1-ton lots the price is now 5s. 6d. per lb.; 1-cwt., 6s. per lb. Perfumery grade, re-crystallised is from 8s. 6d. to 11s. 6d. per lb., as to quantity.

PHOSPHORIC ACID.—B.P. is 1s. 5½d. per lb. in 1-2-carboy lots. HYPOPHOSPHOROUS, B.P.C., in winchesters, is from 5s. 9d. to 6s. 10½d. per lb., as to quantity.

POTASSIUM BICARBONATE.—B.P. powder is 130s. per cwt.

POTASSIUM BROMATE.—In 5-cwt. lots, 7s. per lb. In small quantities the prices range up to 8s. 9d. per lb.

POTASSIUM CHLORIDE. — In 1-cwt. lots B.P. is 1s. 6d. per lb.

POTASSIUM NITRATE. — Pharmacopoeial quality is 145s. per cwt. (crystal, granular or powder) and commercial, 90s.

PYROGALLIC ACID. — Pure crystals are 18s. per lb. in 1-cwt. lots.

QUINIDINE.—Prices (per oz.) for minimum 100-oz. lots in the home market are: ALKALOID, 8s. 9d.; SULPHATE, 6s. 7d. Extra charges for small lots.

ROCHELLE SALT. — Rates (per cwt.) for powder or granulated material are as follows: In 5-cwt. lots or over, 180s. per cwt.; 1-cwt., 182s. 6d. SEIDLITZ POWDER, ordinary strength is 144s. per cwt. in 1-cwt. lots; smalls, from 1s. 9½d. to 2s. 0½d. per lb. Extra-strong is 155s. per cwt., and from 1s. 10½d. to 2s. 1½d. per lb. for small quantities. Double-strength is 161s. per cwt.; smalls, 1s. 11½d. to 2s. 2½d. per lb.

SALICYLAMIDE.—Price (per lb.) for 1-cwt. lots is 8s. 6d.

SODIUM ACETATE. — B.P.C. powder in 28-lb. lots is 1s. 9d. per lb.

SODIUM CARBONATE. — B.P. exsiccated is 60s. 6d. per cwt.

SODIUM PHOSPHATE. — B.P. powder is 125s. per cwt.

### Solvents

ACETALDEHYDE.—The 100 per cent. is 145s. per cwt. for drum lots.

ACETATES.—Prices (per cwt.), for drum lots are as follows:—AMYL (technical), 240s. and (B.S. 552: 1950), 242s.; BUTYL (B.S. 551: 1950), 186s.; ETHYL (B.S. 553: 1950), 156s.

ACETONE. — Drum lots are from £108 per ton for technical quality.

AMYL ALCOHOL. — Technical grade is £237 per ton.

BENZENE. — Thiophene-free is 8s. 11d. per gall. in 50-gall. barrels. Technical is 5s. 7½d. per gall.

BUTYL ALCOHOL (B.S. 508: 1950).—1 ton lots are quoted at £163 10s. per ton and drums at £166 10s. per ton.

CARBON TETRACHLORIDE, B.P. — 1-2 carboy lots are £120 per ton. TECHNICAL, in 40-gall. drums, in less than 1-ton lots, is £76 per ton; 1 ton and under 2 tons, £74 10s.; 2 tons and under 4 tons, £74; 4 tons and upwards, £73.

DIMETHYL ACETAL.—Drum lots are quoted at 163s. per cwt.

ISOPROPYL ALCOHOL.—Standard grade is £80 10s. per ton (5s. 7½d. per gall.) in 10-ton lots. Essence grade is from 17s. to 19s. per gall., as to quantity.

PHthalates.—Prices (per lb.) for drum lots are as follows:—DIAMYL, 3s.; DI-BUTYL, 2s. 2½d.; DI-ISO-BUTYL, 2s.; DI-ETHYL (no. mil g. ade), 2s. 4½d.; D-METHYL, 2s. 0½d.



## Crude Drugs

ACONITE. — Spanish napellus is 3s. 2d. per lb., duty paid, ex wharf.

AGAR. — Kobé No. 1 on the spot is very scarce at 18s. per lb.

ALOES. — Prime Cape on the spot is 167s. 6d. per cwt.; shipment, 158s., c.i.f. Curaçao is from 335s. to 340s., spot.

ANISE (STAR). — Spot material is offered at 3s. 9d. per lb. Offers for shipment are 325s. per cwt., c.i.f.

ANTIMONY. — English, 99.6 per cent., £237 10s.; 99 per cent., £255 per ton.

ARECA NUTS. — Quotations are about 42s. 6d. per cwt. for spot material.

ASAFOETIDA. — Persian block is £15 per cwt., duty paid.

BALSAMS. — Quotations (per lb.) are: — *Canada*: Spot is 25s.; new-crop for prompt shipment, 23s. landed terms. *Copaiba*: Soluble Para, spot, 16s. *Peru*, 10s. 6d., duty paid, and 9s. 3d., c.i.f., for shipment. *Tolu* (genuine as imported) on the spot is offered at 19s. and for shipment, 18s., c.i.f.

BELLADONNA. — ROOT. — A parcel testing 0.44 per cent. is offered at 1s. 9d. per lb. on the spot, duty paid; LEAVES are from 3s. per lb., as to test.

BENZON. — Firm. No. 1 Sumatra block on the spot is from £29 10s. per cwt.

BISMUTH. — In minimum 4-cwt. lots METAL is 17s. per lb.

BUCHU. — New-crop for shipment is 1s. 9d. per lb., c.i.f., and 2s. for spot.

CAMPHOR. — Chinese (B.P.) powder on the spot is 3s. 7½d.; ¼-oz. tablets are quoted at 5s. 9d. per lb.; 2½-lb. slabs, 4s. 9d. per lb., all duty paid.

CARDAMOMS. — Aleppy greens are offered from source at 6s. 9d. per lb., c.i.f., and on the spot at 8s.

CASCARA SAGRADA. — Small quantities of 1951 peel offered at 325s. and 1952 peel at 315s. per cwt., duty paid. New-crop offers for June-July shipment range from 260s. to 265s., c.i.f.

CASCARILLA. — Siftings are 1s. 3d. per lb., spot and quillings, 1s. 6d.

CASSIA BARK. — Whole on the spot is about 100s. per cwt., in bond, and for forward delivery, 87s. 6d., c.i.f. Broken, 75s., in bond, and 60s., c.i.f.

CERRY BARK. — Thin natural is from 1s. 9d. per lb., duty paid, and rossed, 2s. 2d., on the spot.

CINNAMON. — Ceylon for shipment (c.i.f.), OOOO, 2s. 9d.; OOO, 2s. 8d.; OO, 2s. 7d.; O, 2s. 6d. firsts, 1s. 11d.; seconds, 1s. 9½d.; thirds, 1s. 9¼d.; quillings, 1s. 4½d.; featherings, 10¼d.; chips, 6d. per lb.

CLOVES. — Zanzibar on the spot are 10s. 6d. per lb., and 9s. 9d., c.i.f., for prompt shipment.

COCHINEAL. — Black-brilliant is 8s. 7½d. per lb. and silver grey, 7s., spot.

COCILLANA. — Bark is 1s. 9d. per lb., spot.

COLCHICUM. — Corms on spot are offering at 2s. 3d. per lb., and seeds, 6s.

COLOCYNTH. — Pulp on the spot is 1s. 9d. per lb., duty paid.

ELEMI. — Spot offers are in the region 2s. 3d. per lb.; for June-July shipment, 1s. 5d. per lb. is quoted.

ERGOT. — Portuguese for shipment is nominal at 15s. per lb., c.i.f.; spot material is offered at 15s. 6d. per lb.

GALANGAL. — Spot material is offered at 90s. per cwt.

GAMBOGE. — Good average Siam pipe has been sold at £32 10s. per cwt., duty paid.

GENTIAN. — French natural on spot is 100s. per cwt., and 95s., c.i.f.; sliced, 115s., spot.

GINGER. — African on the spot is 95s. per cwt.; new-crop, for shipment, 85s. c.i.f. Jamaican No. 3 is now offered at 110s. on the spot, and at 102s. 6d., c.i.f., for shipment.

GUAIACUM RESIN. — Quotations are about 3s. per lb. for spot material.

GUM ACACIA. — Kordofan cleaned sorts on the spot around 100s. per cwt. Offers for July-August shipment are 88s., c.i.f.

HENNA. — Indian green leaves are unchanged at 80s. per cwt., spot and c.i.f.; Egyptian is 100s., spot.

HONEY. — Spot supplies of Australian are from 102s. 6d. to 112s. 6d. per cwt., as to quantity; Argentine is steady at from 115s. to 125s.; Jamaican new-crop, 120s. to 130s.

IPECACUANHA. — Spot supplies remain scarce with very limited offers of Colombian at 42s. 6d. per cwt. Forward: Colombian, June-July shipment, 39s. per lb., c.i.f.; Nicaraguan, July-August shipment, 44s., c.i.f.

PAPAIN. — Spot values for East African grade one are 38s. per lb. and grade two, 34s. to 35s.

PEPPER. — White Sarawak is 11s. 3d. per lb. on the spot and 10s. 4½d., c.i.f., for June shipment. Black Malabar is 1,175s. per cwt., on the spot, and 1,140s., c.i.f., for June shipment. Stocks of special black Sarawak are offered at 9s. 7½d. per lb., c.i.f., afloat, and 9s. 4½d., c.i.f., June shipment.

QUASSIA. — June-July shipment is 31s. 6d. per cwt. Little material on the spot.

SANDARAC. — Morocco is offering on the spot at 12s. 6d. per lb.

SENEGAL. — Spot supplies are from 13s. to 13s. 3d. per lb., and for prompt shipment, 11s. 9d., c.i.f.

SEEDS. — ANISE. — Quiet. Cyprus is 140s. per cwt., and Turkish, 137s. 6d., duty paid (130s., in bond). CARAWAY. — Dutch in poor demand. Sellers asking 87s. 6d. per cwt., duty paid. CELERY. — Indian is inclined to be firmer. Sellers now asking 2s. per lb., spot London. CORIANDER. — Market continues firm. Spot, Morocco is 60s. per cwt., duty paid and 55s., in bond. English is 70s. Shipment, Morocco has been reported sold to London at 61s., c.i.f., for September shipment. CUMIN. — Spot, Cyprus is 140s. per cwt.; Morocco, 150s., duty paid; Malta, 150s.; Indian, 160s. Shipment, new-crop Cyprus, 120s., c.i.f. Morocco, 112s. 6d. DILL. — Indian unchanged at 80s. per cwt., spot London. FENNEL. — Indian is 180s. per cwt., ex London. FENUGREEK. — Morocco, spot London is 43s. 6d. per cwt., duty paid, 35s., c.i.f., reported paid for June-July shipment. MUSTARD. — English, 67s. 6d. to 90s. per cwt., according to quality.

SHELLAC. — Dealer. Spot quotations are: — F.O.T.N., pure, 200s.; F.O. standard No. 1, 210s.; fine orange, 220s. to 270s. per cwt., ex-London warehouse.

STYRAX. — Spot is 5s. 6d. per lb., duty paid.

TURMERIC. — Offers for Madras finger on the spot have been withdrawn. Shipment prices have advanced and vary between 95s. and 105s. per cwt., c.i.f.

WAXES. — BEES'. — Dar-es-Salaam. Spot, 430s. per cwt., June shipment, 420s., c.i.f. Sudanese and Abyssinian, 360s., c.i.f.; spot, 420s., duty paid. CANDELLA. — Spot is 635s. per cwt. CARNAUBA. — Prime yellow, only small lots available on the spot at 1,240s. per cwt.; afloat, 1,180s., c.i.f.; shipment, 1,150s., c.i.f.; fatty grey is 1,000s. on the spot; shipment, 920s., c.i.f. MONTAN. — Reibeck crude on the spot is 135s. per cwt. OURICURI. — Spot, 0.5 per cent. impurities, 730s. per cwt. SPERMACETI. — Case lots are 1s. 9d. per lb. upwards as to quantity.

## Essential and Expressed Oils

ANISE. — Spot supplies are offered at from 6s. 6d. per lb. for original drums, and for shipment about 6s. 6d., c.i.f.

ALMOND. — B.P. is from 6s. to 7s. 6d. per lb., as to quantity.

AMBER. — Rectified on the spot is quoted at from 1s. 6d. per lb.

BAY. — W. Indian is 8s. 6d. to 9s. per lb. on the spot.

BERGAMOT. — Spot value is about 82s. per lb.

BIRCH TAR. — Rectified is about 14s. per lb. in 1-cwt. lots.

BOIS DE ROSE. — Brazilian on the spot is 31s. and 29s. 9d., c.i.f.

CALAMUS. — Imported oils are offering from 57s. 6d. per lb.

CAMPOR. WHITE. — Chinese is 3s. per lb., on the spot.

CANANGA. — Supplies to come forward are quoted at from 60s. per lb., c.i.f. Spot is from 70s. per lb.

CARAWAY. — English-distilled is offered at 45s.; imported oils are from 20s. per lb. for spot.

CARDAMOM. — Offers are from 250s. per lb.

CASSIA. — Original drums are about 17s. per lb. for spot.

CEDARWOOD. — Spot quotations for African are from 4s. 6d. per lb.

CELERY. — British distilled is from 130s. per lb.

CHENOPODIUM. — 1-cwt. lots are 65s. per lb.

CINNAMON. — B.P. oil on the spot is quoted at from 60s. per lb. English bark oil is offered from 23s. per oz. Ceylon leaf is from 9s. per lb.

CLOVE. — English-distilled bud is 67s. 6d. per lb. for 5-cwt. lots. Madagascar leaf is 9s. 3d. per lb., duty paid, and 8s. 6d. c.i.f. for shipment; redistilled (B.P.), from 17s. 6d. per lb., spot.

FENNEL. — Spanish sweet on the spot is quoted about 10s. 6d. per lb.

LAVANDIN. — Spot supplies are offered at 15s. 6d. per lb.

LEMON. — Steady. B.P. (4 per cent. citral) on the spot is from 34s. to 47s. per lb. Hand-pressed Sicilian for shipment is 45s., c.i.f.

LEMONGRASS. — East Indian is 7s. on the spot and 6s. 6d. per lb., c.i.f.

ORANGE. — Spot offers for sweet vary as to quality and quantity from 10s. to 13s. per lb.

ORIGANUM. — In original containers the price is 14s. per lb.

OTTO OF ROSE. — Turkish is from 325s. per oz. and Bulgarian, 480s., ex warehouse.

PENNYROYAL. — Quotations are about 12s. 6d. per lb., duty paid.

PINE. — *Pumilionis* on the spot is from 16s. per lb.; *sylvestris*, 9s.; Siberian (*abietis*), 10s. 6d.

ROSEMARY. — Spanish oil on the spot is about 5s. 6d. per lb., duty paid, for B.P. quality.

RUE. — Spot offers are about 15s. per lb.

SAGE. — Spanish is offered at from 8s. 6d. to 9s. 6d. per lb., spot.

SANDALWOOD. — Mysore is 70s. 6d. per lb. for 175-lb. lots.

SASSAFRAS. — Brazilian natural is offering at 6s. 3d. per lb., duty paid, and 4s. 9d., c.i.f.

SPEARMINT. — Offers of B.P.C. quality are from 62s. 6d. per lb.

THYME. — B.P.C. is about 9s. 6d. per lb.

VETIVERT. — Bourbon in original drums on the spot is about 117s. 6d. per lb.



## WORLD TRADE

**Greek Anethol Imports.**—The Greek Ministry of Trade has announced that anethol may be imported free of control from European Payments Union countries.

**Dutch Import-Export Ceiling.**—The ceiling value in Holland for licence-free imports and exports was raised, as from May 23, from 400 guilders to 10,000 guilders and not as previously stated. [Corrected note.]

**U.S. Detergent Sales.**—Sales of synthetic detergents continued to rise during the first quarter of 1953 and represented 53 per cent. of the industry's total volume, according to the Association of American Soap and Glycerin Producers. Total sales of soap and synthetic detergents in the period amounted to 901,400,000 lb.

**Portuguese Trade Liberalisation.**—Portugal has liberalised the import from countries in the Organisation for European Economic Cooperation of a further group of items, thus bringing to 92.4 per cent. its trade liberalisation. Among the products included in the new list are several chemical and pharmaceutical products.

**Drugs Rejected by China.**—According to the chairman of Hong Kong's Chinese General Chamber of Commerce, China has been rejecting shipments of drugs as "not up to standard" and in the past three months pharmaceutical dealers there have lost \$3,200,000 worth of business because of rejections—chiefly of antibiotics and vitamins. Peking has suspended letters of guarantee to those dealers on the basis that only Chinese laboratories are fit to judge the quality of the drugs.

**Franco-Soviet Talks.**—French and Soviet officials are meeting in Paris to negotiate a trade pact between their two countries. The negotiations follow preliminary talks held recently in Geneva under the auspices of the United Nations Economic Commission for Europe. Details are not disclosed about the negotiations but usually reliable economic quarters said if the talks were successful, Franco-Soviet trade might reach the level of 20,000 million francs' worth of goods being exchanged each way. If there is a successful trade expansion it is expected that France is likely to export pharmaceutical products among other goods to Russia.

**U.S. Mercury Statistics.**—United States mercury imports reached the near record total of 68,680 flasks in 1952, according to the Bureau of Mines. This represents a 53 per cent. increase over the 1951 figure. The only years when larger quantities were bought were 1945, when it was expected that the new mercury dry cell would take unprecedented quantities, and 1949 when surplus supplies were obtained from Italy with counterpart funds. The chief suppliers in 1952 were as follows, with the 1951 figures in parentheses: Italy, 26,062 flasks (17,633); Spain, 24,333 (13,707 revised); Jugo-Slavia, 10,186 (6,524) and Mexico, 7,971 (4,989). The remainder of the imports came from countries which do not normally produce mercury. Throughout 1952 domestic production totalled 12,547 flasks, an increase of 72 per cent. over 1951.

## PRINT AND PUBLICITY

### Booklets and Leaflets

BRITISH CELLOPHANE, LTD., 12 Conduit Street, London, W.1: "Heat-Sealing," pp. 4.

THE DISTILLERS CO. (BIOCHEMICALS), LTD., Fleming Road, Speke, Liverpool, 19. "Distafed Riboflavin Supplement," pp. 8; "Distafed Vitamin B<sub>12</sub> Supplement," pp. 8; "Distafed Antibiotic Supplement," pp. 4; "It Pays to Distafed," pp. 4. "Micro-organisms and Nutrition," pp. 8.

THOMAS KERFOOT & CO., LTD., Vale of Bardsley, Ashton-under-Lyne: "Sugars and Bacteria," A 36 p. booklet prepared primarily for actual users of the company's series of bacteriological sugars and biochemical reagents. An addendum gives the names of certain sugars and sugar derivatives which are now available in addition to those in the standard list.

MAY & BAKER, LTD., Dagenham, Essex: "Reduction of Surgical Haemorrhage—An M. & B. Colour Film," pp. 12.

THE MURPHY CHEMICAL CO., LTD., Wheathampstead, Herts. "Murphy Insecticides, Fungicides, and Fumigants for Nurserymen," 1953 edition, pp. 112. "The Control of the Fruit Tree Red Spider by Summer Sprays," pp. 8. Card giving "Instructions for the Use of Poisonous Substances in Agriculture and Horticulture."

RENTOKIL, LTD., Fetcham, Leatherhead, Surrey: Rentokil timber fluid chart showing covering capacity of the various sizes of the fluid.

TRUFOOD, LTD., Green Bank, London, E.1: "Follow-on Trufood," pp. 4.

### Periodicals

INNOXA (ENGLAND), LTD., 1 Eden Street, London, N.W.1: "The Innoxia Approach," Vol. 1, No. 1, June 1953.

MONSANTO CHEMICALS, LTD., 8 Waterloo Place, London, S.W.1: "The Autoclave," Coronation souvenir issue, June 1953.

UNILEVER LTD., Unilever House, Blackfriars, London, E.C.4: "Progress," Vol. 43, No. 238, Spring 1953. Pp. 96, price 2s. 6d.

### Advertising Campaigns

ENERGEN FOODS CO., LTD., Pound Lane, Willesden, London, N.W.10: Test campaign for Energen special fruit preserves in Gloucester and Cheltenham from June 15 to July 11. The campaign aims to appeal to those who have to restrict sugar in their diet and to those who prefer something less sweet than ordinary jams and marmalades. Special display material is being issued and the campaign will be backed by advertising in the *Cheltenham Chronicle*, *Gloucestershire Echo*, *Gloucester Citizen* and *Gloucester Journal*. A feature of the campaign will be the offer of the 2s. "Energen Book," a guide to nutrition, free of charge to purchasers of a 1-lb. jar.

RIMMEL (DISTRIBUTORS), LTD., 70 Park Lane, London, W.1: Announcement of new oatmeal beauty mask by a national campaign in *Vogue*, June 26; *Evening Standard*, July 1; *Woman's Own*, July 9; *Woman and Beauty*, July 15; *Housewife*, July 16; *Modern Woman*, July 16; and *Good Taste*, July 30.

ST. ANDREW MILLS, LTD., 34 St. Andrew Road, London, E.17: Full scale national advertising of Andrex toilet tissue in *Radio Times*, *Picture Post*, *Illustrated*, *Everybodies*, *Illustrated London News* and women's weekly and monthly journals. Also advertised in *The Lancet* and the *British Medical Journal*.

### Show Material

THE CROOKES LABORATORIES, LTD., Park Royal, London, N.W.10: Comprehensive show material and dressed window displays for Crookes Lacto-Calamine.

M. J. FECHER, LTD., 175 Bath Road, Slough, Bucks: Showcard for Cuckoo ear caps.

MACDONALD & SON, LTD., Hope Mills, Pollard Street, Manchester, 4: Cabinet, frame with a strut, and card display units for Kirtessa combs.

## TRADE MARKS

From the "Trade Marks Journal," June 10

For frit prepared for use in agriculture and horticulture, and fertilisers containing fritted trace elements (1)

TRACELFEED, B712,757, by Ferro Enamels, Ltd., Wolverhampton.

For industrial chemicals (1)

KETJEN, 713,821, by Koninklijke Zwavelzuurfabrieken V/H Ketjen N.V., Amsterdam.

For fertilisers (1)

CULTILIME, 715,716, by Renown Lime Quarries, Ltd., Alton.

For detergents (3)

SDR, B709,534, by Yare Industries, Ltd., Gorseston-on-Sea.

For industrial soap (3)

CYCLORYL, 715,943, by Cyclo Chemicals, Ltd., London, W.C.2.

For non-medicated toilet preparations (3)

ADAM'S RIB, 717,100, by Lenthéric, Ltd., London, W.1.

For pharmaceutical preparations for human and veterinary use (5)

TALEXON, 707,517, by Organon Laboratories, Ltd., London, W.C.2. FERLUCON, 716,076, by Evans Medical Supplies, Ltd., Liverpool, 19.

For pharmaceutical products (5)

CAMOFORM, 710,892, by Parke, Davis & Co., Detroit, U.S.A. RHINOFILT, 713,081, by Arthur Frederick Harris, London, S.E.25. BILOPAN, 715,300, by Coates & Cooper, Ltd., West Drayton. PARGRAN, 715,914, by E. R. Squibb & Sons, Ltd., London, W.1. CENTROPNEINE, 716,974, by Laboratoires Jean Cartier, Paris. NOKOTIN, 717,244, by Luyties Laboratories, Ltd., Slough.

For diagnostic indicators (5)

DIAGNEX, 713,718, by E. R. Squibb & Sons, Ltd., London, W.1.

For medicated preparations containing liver extracts for the treatment of anaemia (5)

HEPATEX-T, 716,748, by Evans Medical Supplies, Ltd., Liverpool, 19.

## COMING EVENTS

Items for inclusion under this heading should be sent in time to reach the Editor not later than first post on Wednesday of the week of insertion.

### Sunday, June 21

NORTH STAFFORDSHIRE BRANCH, PHARMACEUTICAL SOCIETY, annual outing to London. Meet at Stoke-on-Trent railway station for 9.20 a.m. train. Total fares 24s. (including coach in London for tour of Coronation route).

### Monday, June 22

IRISH DRUG ASSOCIATION, Jury's Hotel, Dame Street, Dublin, at 8 p.m. Annual meeting.

### Wednesday, June 24

BRIGHTON AND HOVE PHARMACISTS' SPORTS CLUB. Aldington recreation ground, Wish Road, Hove. Cricket match v. National Association of Local Government Officers.

DARTFORD BRANCH, PHARMACEUTICAL SOCIETY, visit to biscuit factory of Peck, Frean & Co., Ltd., London, S.E.16. Meet London Bridge Station at 2.15 p.m.

MANCHESTER PHARMACEUTICAL GOLFING SOCIETY, Worsley golf club. Fixture to play for vice-president's prize.

MERSEYSIDE BRANCH, NATIONAL ASSOCIATION OF WOMEN PHARMACISTS, visit to Birkenhead Priory and Lower Bebington Parish Church. Meet Priory gates at 7.15 p.m.

ULSTER CHEMISTS' ASSOCIATION BOWLERS, Larne Bowling Green, at 2.45 p.m. Match with Scottish Chemist Bowlers.

### Thursday, June 25

LONDON CHEMISTS' GOLFING SOCIETY, Sudbury Golf Club (telephone: Wembley 0218). Fixture.

### Advance Information

LONDON PHARMACY RAMBLERS are walking to Tilgate and St. Leonard Forests, Sussex, from Three Bridges, on June 28.



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